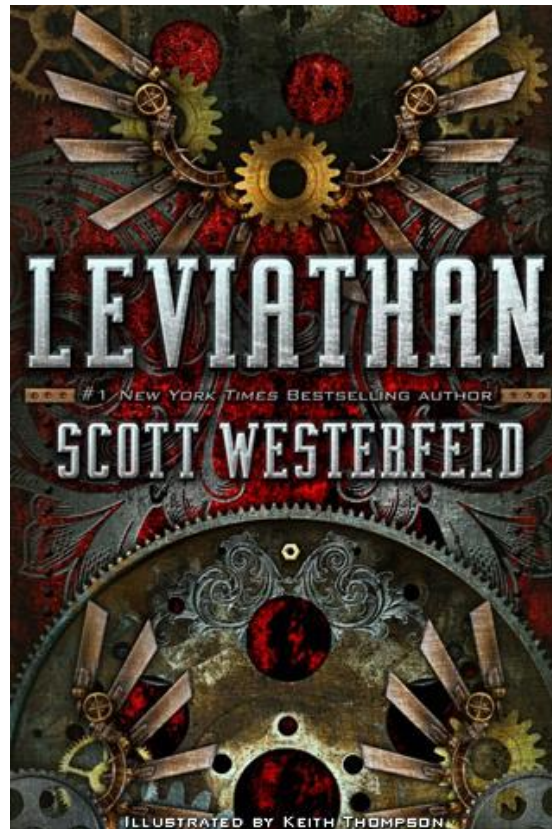


# LEVIATHAN



By Scott Westerfeld



*Prince Aleksander, would-be heir to the Austro-Hungarian throne, is on the run. His own people have turned on him. His title is worthless. All he has is a battle-torn war machine and a loyal crew of men. Deryn Sharp is a commoner, disguised as a boy in the British Air Service. She's a brilliant airman. But her secret is in constant danger of being discovered. With World War I brewing, Alek and Deryn's paths cross in the most unexpected way...taking them on a fantastical, around-the-world adventure that will change both their lives forever.*  
(Blurb from the hardback edition)

<http://www.goodreads.com/book/show/6050678.Leviathan> and  
<http://whatever.scalzi.com/2009/11/10/the-big-idea-scott-westerfeld/>

(Page references from the hardback edition except for the crossword which refers to the 2010 paperback edition)

**Blooms Taxonomy Unit Plan by T. Shaw March 2011**

Reviews site <http://scottwesterfeld.com/blog/>

## Author's web site

### About the author

Scott Westerfeld is me. I'm the author of [five science fiction novels](#) for adults. I've also been an occasional [ghost writer](#), which is like driving someone else's car really, really fast for lots of money. (I could tell you what famous authors I ghost-wrote for, but then I'd have to kill you.) In my artsy days, I wrote music for artsy downtown New York dancers, some of which sounds [like this](#).

I have written three sets of books for young adults. The first is called *Midnighters*, a tale of five teenagers born on the stroke of midnight, for whom time freezes every night, revealing a dark and terrible hidden world. All three books are out now.

My other trilogy is *Uglies*, set in a future where cosmetic surgery is compulsory when you turn 16, making everyone beautiful. Of course, there are some people who want to keep their own faces . . . but they're not allowed. All three books—*Uglies*, *Pretties* and *Specials*—are out now. A companion novel to the trilogy, *Extras*, will be out in October 2007.



My third set of books is three stand-alone novels from Razorbill, all set in contemporary New York. The first is *So Yesterday*, about a cool hunter who runs afoul of a plot to end consumerism. The second is called *Peeps*, a "vampire" novel. The third is *The Last Days*, set in the same world as *Peeps*, which is also out now. I've also written a few short stories that you can [find online for free](#), but be warned that all of them contain dirty words.

I was born in Texas, and split my time between New York City and Sydney, Australia. (I have more frequent flyer miles than you do.) You can read many personal details of my life on [my blog](#). And consult the Scott fact sheet [here](#).

## Review

Anytime a new Scott Westerfeld novel hits the shelves, it is cause for buzz and celebration. His **Uglies** series is wildly popular, he continually hits the best seller lists and is a terrific writer. Couple Westerfeld's popularity / writing skill with the burgeoning popularity of the Steampunk genre, then in *Leviathan*, you've got a sure-fire hit.

*Leviathan* is set in a 20<sup>th</sup> Century that is *mostly* familiar – Archduke Franz Ferdinand is murdered and World War I begins. The definition of *mostly* in *Leviathan* is multi-layered. The first of which is that Ferdinand had a son named Alek who survived and escaped the

night of his parents' murder inside a giant walking tank with a retinue of loyalists. In the real world Ferdinand of course did not have a son named Alek. The Austro-Hungarians and Germans, for their reliance on mechanical technology like the walking machines that resemble giant robots, are known as Clankers. There were, of course, no walking robot-like tanks in existence during the time in which the book takes place.

Of course this technology was not quite as advanced in 1914 of our world as it is in the world of *Leviathan*. Westerfeld's descriptions were enough to give hints and really put me in the seat with Alek as he piloted his walking tank across the European landscape. Furthermore, Alek is genuine in that while he is somewhat oblivious to world events and headstrong, Westerfeld doesn't make him a complete idiot. The balancing act can be tough to manage with the typical orphaned heir and Westerfeld pulled it off exceedingly well – I liked Alek, I felt for his plight, and I found myself rooting for him throughout the story.

In contrast to the mechanical technology employed by the German/Austrians, the British/Allied Powers utilize biological technology in nearly all aspects of warfare. The British are also known as Darwinists – for Charles Darwin who discovered DNA in Westerfeld's imagined world. The British extrapolated this discovery to DNA-manipulation, genetically engineering creatures including the titular *Leviathan* which is a floating whale and Britain's most powerful and recognizable airship. Other creatures include six-legged 'sniffers' or bloated jellyfish which are essentially personal air balloons. While Alek gives the young perspective on the Austrian side of the conflict, on the British side, young Deryn Sharp disguises herself as a boy so she can join the British Air Service. Deryn's father served in the British Armed forces and she wishes to follow in his footsteps. However, girls are precluded from joining so she must go in disguise. Her early scenes in training are held together very well, especially when she takes flight in a runaway jellyfish-balloon.

So, there are a lot of dichotomies in this novel and world – mechanized technology v. biological technology; boy protagonist v. girl protagonist; Allied Powers v. the Central Powers. The technology conflict is presented in a very engaging manner, with the Clankers showing revulsion at the manipulated life forms, while the Darwinists think the Clankers some kinds of heretics for their devotion to mechanized technology.

Fortunately, Westerfeld populates his world and this novel in particular with fully realized supporting characters – Alek's retinue including the Count Volger as well as the mysterious Dawinia, who turns out to be Charles Darwin's granddaughter. It is this character who might come across as the most flippant, at least initially. As the story evolves, so does her character and the mystery behind her true purpose which seems to lead directly into the next volume of the trilogy. One might say it is a cliffhanger of an ending, because of the big tease Westerfeld give the readers. On the other hand, *Leviathan* is effective in setting up the world, giving good character development and providing a small sense of closure.

In the end, Scott Westerfeld does a lot of the things with this novel that have rightfully earned him the reputation of a great storyteller. He skillfully weaves Deryn and Alek's stories towards their eventually meeting, keeping tension high throughout. He surrounds the main characters with a great supporting cast and he puts all of these people in a

fascinating world with a great conflict that is a great mix of familiar and refreshingly new. *Leviathan* is only the opening novel of a series, so the ending is just a beginning and in that, Westerfeld leaves me wanting more. With classy and evocative illustrations by Keith Thompson, *Leviathan* is highly recommended.

© 2009 Rob H. Bedford

From: <http://www.sffworld.com/brevoff/573.html>



Here are some notes about the map from Keith Thompson, explaining what all the symbolism means:

### The Clanker Powers

"Germany is a massive military machine with weapons aimed outwards to all surrounding countries. It points threateningly at Britain, not so much as a sign of direct aggression, but more as an indicator that it was now Germany's turn to start a grand global Empire to challenge the world's current one.

"Austria Hungary is an aggressive armoured giant, teetering on shoddy foundations. It is also the primary aggressor in a land grab against Serbia, with two bayonets piercing the border.

“The Ottoman empire is a teetering automaton, collapsing under the weight of a paranoid and ungainly spying network that gazes at Europe through many lenses and spy glasses.

“The Swiss watch ticks away the time, comfortable to wait it all out.”

### **The Darwinist Powers**

“Britain is an militaristic lion beast with a Roman Imperial italic-type helmet. It sits upon a mound of riches gathered from its Empire.

“France’s elephant beast (wearing the French kepi they started the war with before adapting their firefighter helmets) is influenced by the Elephantine Colossus built for the Universal Exhibition of 1889 in Paris (later it ended up going to the Moulin Rouge.) It also represents France’s huge significance in WWI, which is something that tends to get a little glossed over.

“Russia is a huge imperialist bear, rotting and filled with maggots. (Russia collapsed during the real war.)

“Serbia’s imagery (a skeleton) is an indicator of the huge amounts of civilian deaths and suffering they’ll find themselves subject to.

“Norway and Sweden are both Scandinavian trolls in the style of John Bauer, an incredible and inspirational illustrator from the time who produced a lot of phenomenal work during the war.

“Portugal is a parrot for the Entente trying to goad a slumbering Spain into the war (this was based on something from a contemporary map and I’m not totally sure about the viewpoint’s veracity, but I couldn’t resist the image, and it seemed to match up with what I knew of the situation.)

“Ireland looks askance to Britain and brandishes a shillelagh. An indicator of their very rough relationship at the time, and of their upcoming involvement with the Central powers.

“Italy is a clutch of snakes with intents on the Central powers despite existing agreements. A foreshadowing of their arrangements at the secret 1915 Treaty of London where they were promised land in exchange for involvement. It was heavily influenced by Italian Prime Minister, Antonio Salandra’s open policy of serving Italy’s self-interest (there’s a great quote where the notion of ‘divine self-interest’ is invoked, but I can’t dig it up unfortunately.)”

**From:** <http://scottwesterfeld.com/blog/2009/10/leviathan-art-the-grand-map/>

## Activities

### Remember (Locating / retrieving knowledge)

- Make a time line of events from the story
- What animals are mentioned in the story and what impact / influence do they have?
- Write an acrostic poem (Leviathan or Clanker)
- Make an A to Z Chart of words from the story
- In your sketch pad and using a variety of art material draw what you regard as the pivotal episode from the story.
- Write a top 5 facts about the world of Leviathan for a notice board display
- Create your own graphic novel of an episode from the story as it is read as a serial. (At the completion of the serial you will have your own mini graphic novel)
- Complete a crossword and word search based on Leviathan
- Complete reading comprehension activities and a cloze activity based on the novel
- Make a list of quotations from Leviathan and link them to the character that said it.
- Prepare a thumbnail sketch of characters from Leviathan including both appearance and character.(Start with a simple web graphic organiser) Prove the character traits you've attributed to characters by citing events from the story. (Use the Character traits BLM provided)
- Children devise 5 quiz questions after reading a chapter of either story and test each other after the book is completed.

### Understand (Paraphrasing, categorising, extrapolating)

- Retell an episode in the story in your own words.
- Write a set of true or false questions about the story as part of a class quiz.
- Create a for sale advertisement for the walker. (What can they be used for other than making war?)
- Draw a cartoon / comic of an important scene or event from the story.
- What emotions was Alek and Deryn feeling at pivotal points in the story (Children determine the pivotal points) and write a mini-play highlighting dialogue between 2 characters such as between Deryn and Dr. Barlow or between Alek and the Count)

- Ask children to determine what was the most important event or personal attribute that helped Alek to survive? Use a simple web graphic organiser to create a profile of him. Include a portrait of him in the style of the old royal portraits from the time.
- Complete a cause and consequence chart
- Describe the job/role of characters from the book. Create a job advertisement for their roles.
- Create a glossary of 'big' words like leviathan, behemoth, goliath etc.

#### Apply (Applying knowledge)

- Create your own collection of Clanker type artefacts.
- Create a story map for Leviathan including relevant information about events.(Use the map provided in the end papers to help)
- Create a 'pop up' book, diorama or mural for an episode of the book
- Create a missing persons poster or a wanted poster for Alek.
- \_List 2 problems in the book and how they are resolved.
- How does Deryn define bravery? In what ways does she demonstrate bravery? Create a bravery award for her with a citation.
- Design a map of Deryn and Alek's respective journeys with captions and images highlighting important events.
- Design a newspaper front story as if Deryn was relating her experiences to a journalist or an Austrian newspaper with a story about the assassination and disappearance of the prince.
- Make a board game about the story.(Play Diplomacy or Risk)
- Design a poster for the library to illustrate one of Scott Westerfeld's books. (Find out about the author.)
- Create a model of one of the Clankers machine monsters.
- Create a PowerPoint project about: tanks, trench warfare, airships, thylacines the Hindenburg disaster, ironclad warships, Political assassination, World War One, Austria Hungary, Switzerland or Charles Darwin .

#### Analyse (Distinguishing relevant from irrelevant, determining points of view and how elements fit and function within a structure)

- Write a commercial to sell the positives of Darwinist creations
- Create an 'action graph' for selected episodes from the story.
- Prepare a fact file or oral report on the true causes of World War One.
- Complete a KLM for the book. (What have you learnt about the origins of World War One or Steampunk novels?)
- Create a Venn diagram for the Clanker world and Darwinist world or compare Alek at the start of the story and at the end.
- Write a 'How to' guide for an activity demonstrated in the book such as running in a Walker or riding safely in a Huxley.
- Design a new front cover for the book
- Write 5 questions you would ask the author (Write to Scott Westerfeld)
- Create a list of the top 5 steampunk books students have read.
- Visit a transport / war museum or war memorial and create a tourist brochure about it.
- Create a 'Y Chart' of an event from the story.



**Scott Westerfeld has released Behemoth (the 2<sup>nd</sup> book in the trilogy and just finished writing the 3<sup>rd</sup> book Goliath.)**

### Evaluating (Checking and critiquing)

- How could certain situations be handled differently than in the story? (Alek makes a lot of mistakes. For example what if he hadn't wanted to help the downed aircrew?)
- Who would you be best friends with? Why?

- Write a critical review of the story on an alternative DVD cover with an illustration of what you believe is the most important episode from the story.
- Using De bono's six hats to discuss what the main characters do at dangerous points in the story. How do they survive?
- If the book was being made into a movie what changes would you make?
- Complete a Literary character report card for one of the characters.(Use your own design)
- Draw a pivotal episode from the story as a puzzle. Compare what other children considered an important event.
- If you included yourself in the story, who would you be? Why?

Create (generating, planning and producing)

- Create a new domestic 'fab' to help around the house. Plan a marketing campaign for it.
- Write an alternate ending for the story. Write an additional chapter
- Create a crossword for Leviathan using Puzzlemaker.
- Write a postcard as if you were Deryn to her brother telling about some of her adventures.
- Develop a book report about the story using a format of your own, which we can put on the school's web site.
- Create your own 'Leviathan' PowerPoint presentation. Children will recall elements of the story (characters, problem, solution and events) on slides.

The PowerPoint should consist of 5 slides:

- 1) The title
- 2) Character slide (listing the important characters, facts about them and a picture)
- 3) The problem (Describe the major problems faced by the characters.) What is the main plot and 2 sub-plots.
- 4) Solution (Describe the solution to the problem)
- 5) Summary (A summary of the story)

# LEVIATHAN

## *Reading Comprehension*

The Austrian horses glinted in the moonlight, their riders standing tall in the saddle, swords raised. Behind them two ranks of diesel-powered walking machines stood ready to fire, cannon aimed over the heads of the cavalry. A zeppelin scouted no-man's-land at the center of the battlefield, its metal skin sparkling.

The French and British infantry crouched behind their fortifications—a letter opener, an ink jar, and a line of fountain pens—knowing they stood no chance against the might of the Austro-Hungarian Empire. But a row of Darwinist monsters loomed behind them, ready to devour any who dared retreat.

The attack had almost begun when Prince Aleksandar thought he heard someone outside his door. . . .

He took a guilty step toward his bed—then froze in place, listening hard. Trees stirred in a soft breeze outside, but otherwise the night was silent. Mother and Father were in Sarajevo, after all. The servants wouldn't dare disturb his sleep.

Alek turned back to his desk and began to move the cavalry forward, grinning as the battle neared its climax. The Austrian walkers had completed their bombardment, and it was time for the tin horses to finish off the woefully outnumbered French. It had taken all night to set up the attack, using an imperial tactics manual borrowed from Father's study.

It seemed only fair that Alek have some fun while his parents were off watching military maneuvers. He'd begged to be taken along, to see the mustered ranks of soldiers striding past in real life, to feel the rumble of massed fighting machines through the soles of his boots.

It was Mother, of course, who had forbidden it—his studies were more important than 'parades,' as she called them. She didn't understand that military exercises had more to

teach him than musty old tutors and their books. One day soon Alek might be piloting one of those machines.

War was coming, after all. Everyone said so.

The last tin cavalry unit had just crashed into the French lines when the soft sound came from the hallway again: jingling, like a ring of keys.

Alek turned, peering at the gap beneath his bed chamber's double doors. Shadows shifted along the sliver of moonlight, and he heard the hiss of whispers.

Someone was right outside.

Silent in bare feet, he swiftly crossed the cold marble floor, sliding into bed just as the door creaked open. Alek narrowed his eyes to a slit, wondering which of the servants was checking on him.

Moonlight spilled into the room, making the tin soldiers on his desk glitter. Someone slipped inside, graceful and dead silent. The figure paused, staring at Alek for a moment, then crept toward his dresser. Alek heard the wooden rasp of a drawer sliding open.

His heart raced. None of the servants would dare steal from him!

But what if the intruder were something worse than a thief? His father's warnings echoed in his ears. . . .

You have had enemies from the day you were born.

A bell cord hung next to his bed, but his parents' rooms were empty. With Father and his bodyguard in Sarajevo, the closest sentries were quartered at the other end of the trophy hall, fifty meters away.

Alek slid one hand under his pillow, until his fingers touched the cold steel of his hunting knife. He lay there holding his breath, grasping the handle tightly, repeating to himself his father's other watchword.

Surprise is more valuable than strength.

Another figure came through the door then, boots clomping, a piloting jacket's metal clips jingling like keys on a ring. The figure tromped straight toward his bed.

'Young master! Wake up!'

Alek let go of the knife, expelling a sigh of relief. It was just old Otto Klopp, his master of mechanics.

The first figure began rifling through the dresser, pulling at clothes.

'The young prince has been awake all along,' Wildcount Volger's low voice said. 'A bit of advice, Your Highness? When pretending to be asleep, it is advisable not to hold one's breath.'

Alek sat up and scowled. His fencing master had an annoying knack for seeing through deception.

'What's the meaning of this?'

'You're to come with us, young master,' Otto mumbled, studying the marble floor. 'The archduke's orders.'

'My father? He's back already?'

'He left instructions,' Count Volger said with the same infuriating tone he used during fencing lessons. He tossed a pair of Alek's trousers and a piloting jacket onto the bed.

Alek stared at them, half outraged and half confused.

'Like young Mozart,' Otto said softly. 'In the archduke's stories.'

Alek frowned, remembering Father's favorite tales about the great composer's upbringing. Supposedly Mozart's tutors would wake him in the middle of the night, when his mind was raw and defenseless, and thrust musical lessons upon him. It all sounded rather disrespectful to Alek.

He reached for the trousers. 'You're going to make me compose a fugue?'

'An amusing thought,' Count Volger said. 'But please make haste.'

'We have a walker waiting behind the stables, young master.' Otto's worried face made an attempt at a smile. 'You're to take the helm.'

'A walker?' Alek's eyes widened. Piloting was one part of his studies he'd gladly get out of bed for. He slipped quickly into the clothes.

'Yes, your first night lesson!' Otto said, handing Alek his boots.

Alek pulled them on and stood, then fetched his favorite pilot's gloves from the dresser, his footsteps echoing on the marble floor.

'Quietly now.' Count Volger stood by the chamber doors. He cracked them and peered out into the hall.

'We're to sneak out, Your Highness!' Otto whispered. 'Good fun, this lesson! Just like young Mozart!'

The three of them crept down the trophy hall, Master Klopp still clomping, Volger gliding along in silence. Paintings of Alek's ancestors, the family who had ruled Austria for six hundred years, lined the hallway, their subjects staring down with unreadable expressions. The antlers of his father's hunting trophies cast tangled shadows, like a moonlit forest. Every footstep was magnified by the stillness of the castle, and questions echoed in Alek's mind.

Wasn't it dangerous, piloting a walker at night? And why was his fencing master coming along? Count Volger preferred swords and horses over soulless mechaniks, and had little tolerance for commoners like old Otto. Master Klopp had been hired for his piloting skills, not his family name.

'Volger . . .,' Alek began.

'Quiet, boy!' the wildcount spat.

Anger flashed inside Alek, and a curse almost burst from his mouth, even if it ruined their stupid game of sneaking out.

It was always like this. To the servants he might be 'the young archduke,' but nobles like Volger never let Alek forget his position. Thanks to his mother's common blood, he wasn't fit to inherit royal lands and titles. His father might be heir to an empire of fifty million souls, but Alek was heir to nothing.

Volger himself was only a wildcount—no farmlands to his name, just a bit of forest—but even he could feel superior to the son of a lady-in-waiting.

Alek managed to stay quiet, though, letting his anger cool as they stole through the vast and darkened banquet kitchens. Years of insults had taught him how to bite his tongue, and disrespect was easier to swallow with the prospect of piloting ahead.

One day he would have his revenge. Father had promised. The marriage contract would be changed somehow, and Alek's blood made royal.

Even if it meant defying the emperor himself.

From: <http://www.penguin.com.au/products/9780670073030/leviathan-book-1/extract>

## Questions

1. List 2 words in the first paragraph that describe how objects look in the moonlight.
2. How are the French and British fortification described in the second paragraph.
3. Where are Aleksandar's parents? Find it on a map. What country is it the capital of?
4. What is Alek playing? Where has he set them up? How long had it taken to set them up?
5. Draw an Austrian soldier in 1914 uniform.
6. What is the sound made by the whispers in the hallway?
7. What was Alek's father's warning to him? (Use a portrait of Franz Ferdinand with a speech bubble to answer this question)
8. How far away were the sentries from Alek's room?
9. Count Volger said "When pretending to be asleep you shouldn't ....."
10. What famous composer was supposedly woken up in the middle of the night and taught musical lessons. (Find a portrait of him on the internet and list 3 of his famous pieces of work)
11. Otto said that Alek was to take his first night lesson in a .....
12. How long had Alek's family ruled Austria?
13. Would Alek one day become emperor of Austria?
14. Draw a comic of what happens next or write a telegram from Alek to his father telling him what happened next. (Investigate what a telegram looked like and re-create it. Use no more than 30 words to tell your story.)



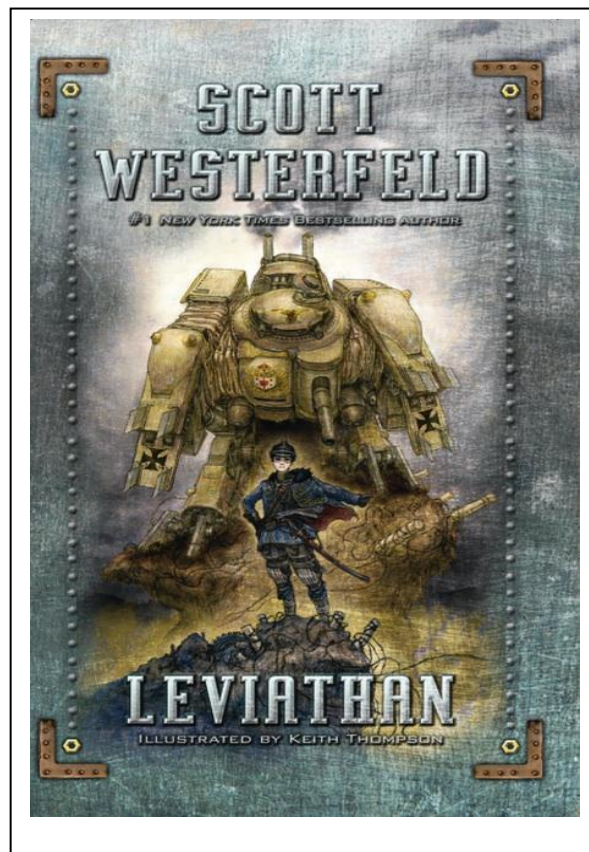
Austrian Army uniforms 1914

# LEVIATHAN

Word find

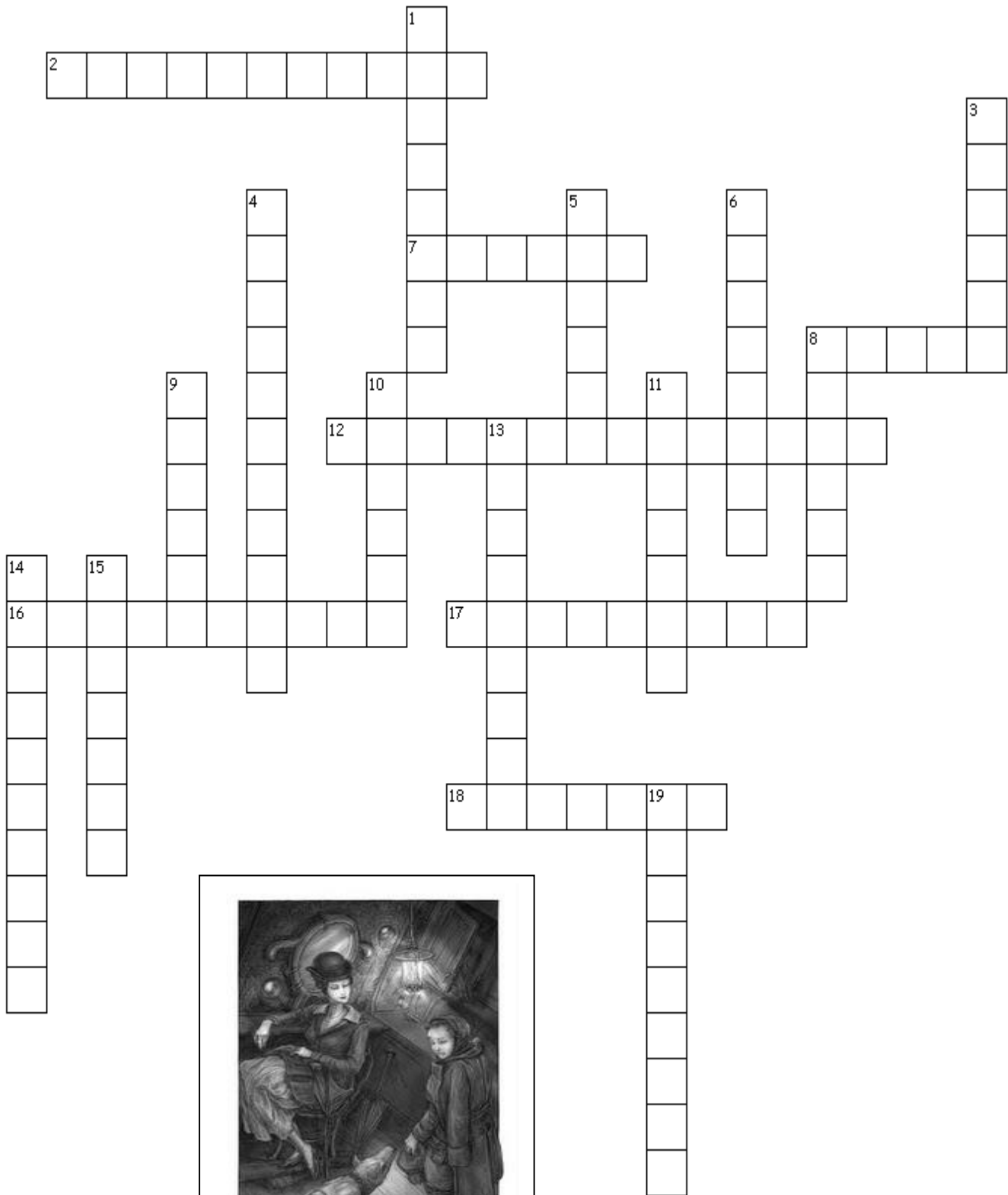
A C L K R K A O S G W Z V Z D  
G D P S O I K Y T L V O I Y A  
L H K N R Z Q B O M B Z L V R  
A X D T C E O Z R A L E K D W  
N O S K E N K T M U V Z E O I  
R U N H K Q L N W I V B D V N  
A V H W E N E C A L Y H T E Y  
J A S P E R T T L L I U H J R  
N E K A R K H R K B C P D A E  
B L D X A A E Q E D A P L R D  
F A T A N L G L R G P R R A W  
I T T F A Q G S T O L I L S I  
W V T S F E S N L B M O C O O  
U A Q Z R E U K X B P B V T W  
R Q O K O P Y W P P Y C S I W

ALEK  
AUSTRIA  
BARLOW  
BATS  
CLANKERS  
DARWIN  
DERYN  
EGGS  
JASPERT  
KLOPP  
KONDOR  
KRAKEN  
LEVIATHAN  
SARAJEVO  
STORMWALKER  
THYLACENE  
VOLGER



# LEVIATHAN

## Crossword



"A TITLED TALK"

### **Across**

- 2. Type of clanker that Alek escaped in.
- 7. Daryn was getting cheek from a message ..... (page 73)
- 8. Alek hit the flare with the heavy cavalry ..... (page 182)
- 12. The Leviathan was heading for the capital of the Ottoman Empire.
- 16. Young Austrian prince
- 17. England was a ..... country (Refer map)
- 18. The German stormwalker SMS ..... (page 48)

### **Down**

- 1. Name of the 60 000 tonne Wotan class land frigate (page 163)
- 3. It broke in half and fell to the Earth in flames.(page 360-361)
- 4. The fugitives were heading for safety in ..... (central European country)
- 5. It smashed up the schooner and pulled it beneath the waves (page 114)
- 6. The second title in the series.
- 8. The color of Leviathan (page 77)
- 9. The last of the gold ..... were jettisoned. (page 408-409)
- 10. Count..... was Alek's fencing coach.
- 11. Dr Barlow was ..... grand-daughter.
- 13. Dr Barlow had a pet .....(page 54)
- 14. The half-wolf tiger was a ..... beast. (page 30-31)
- 15. They'd been hunting Alek since the first night.
- 19. Its body was made from the life threads of whales.

Steampunk craft ideas:

<http://www.craftster.org/forum/index.php?action=tags;sa=showtopics;tag=steampunk>

Steampunk for kids:

<http://www.squidoo.com/steampunk-kids>

and <http://steampunkscholar.blogspot.com/2010/08/teaching-steampunk.html>

Great images

<http://www.bizarrebytes.com/steampunk-future-and-pastmerge-to-create-beauty-and-magic/>



"Stealing away."

# LEVIATHAN

KWL

What I Know

What I Want To Learn

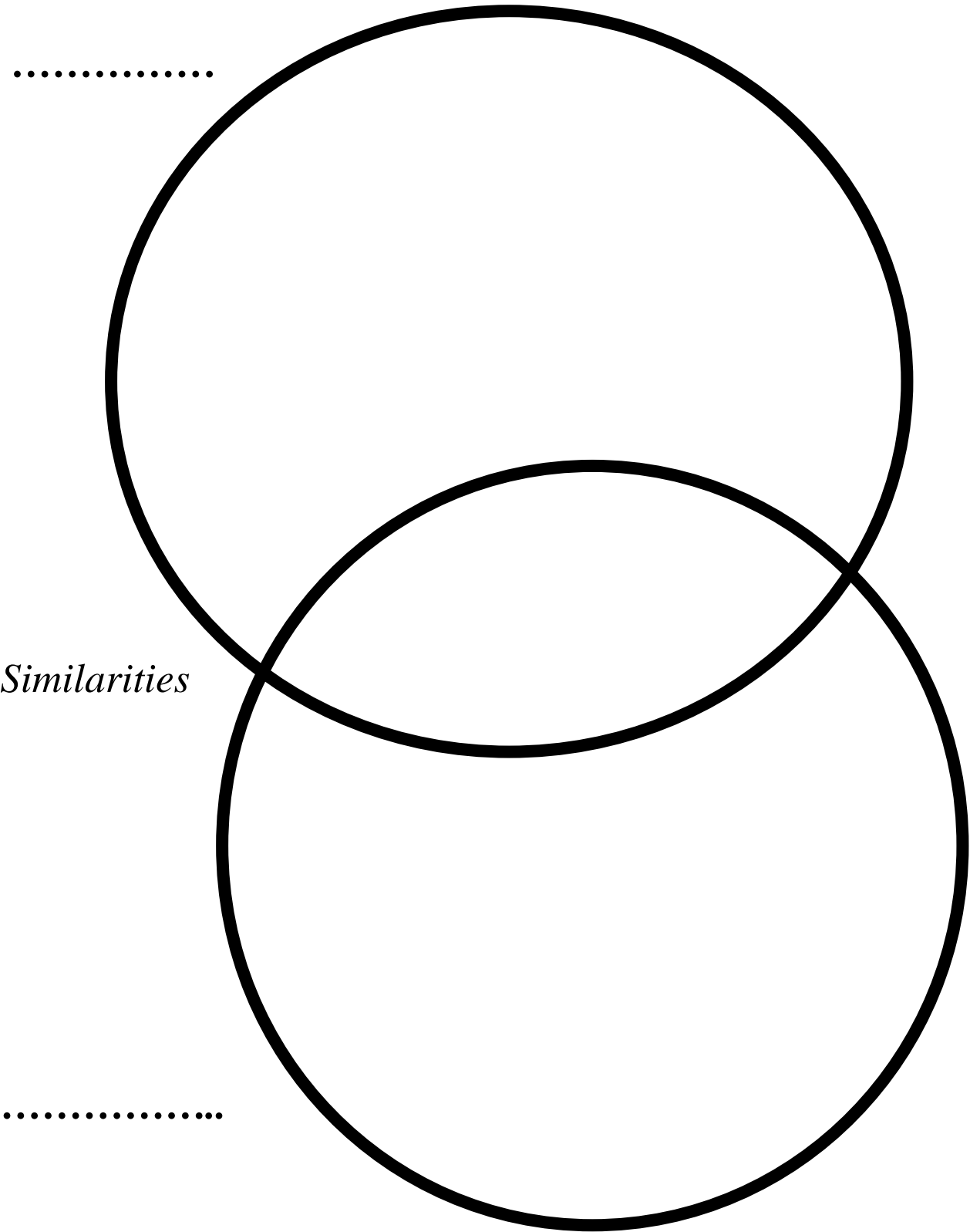
What I Have Learned

What I Know	What I Want To Learn	What I Have Learned

From: <http://www.abcteach.com/GraphicOrganizers/KWL.htm>

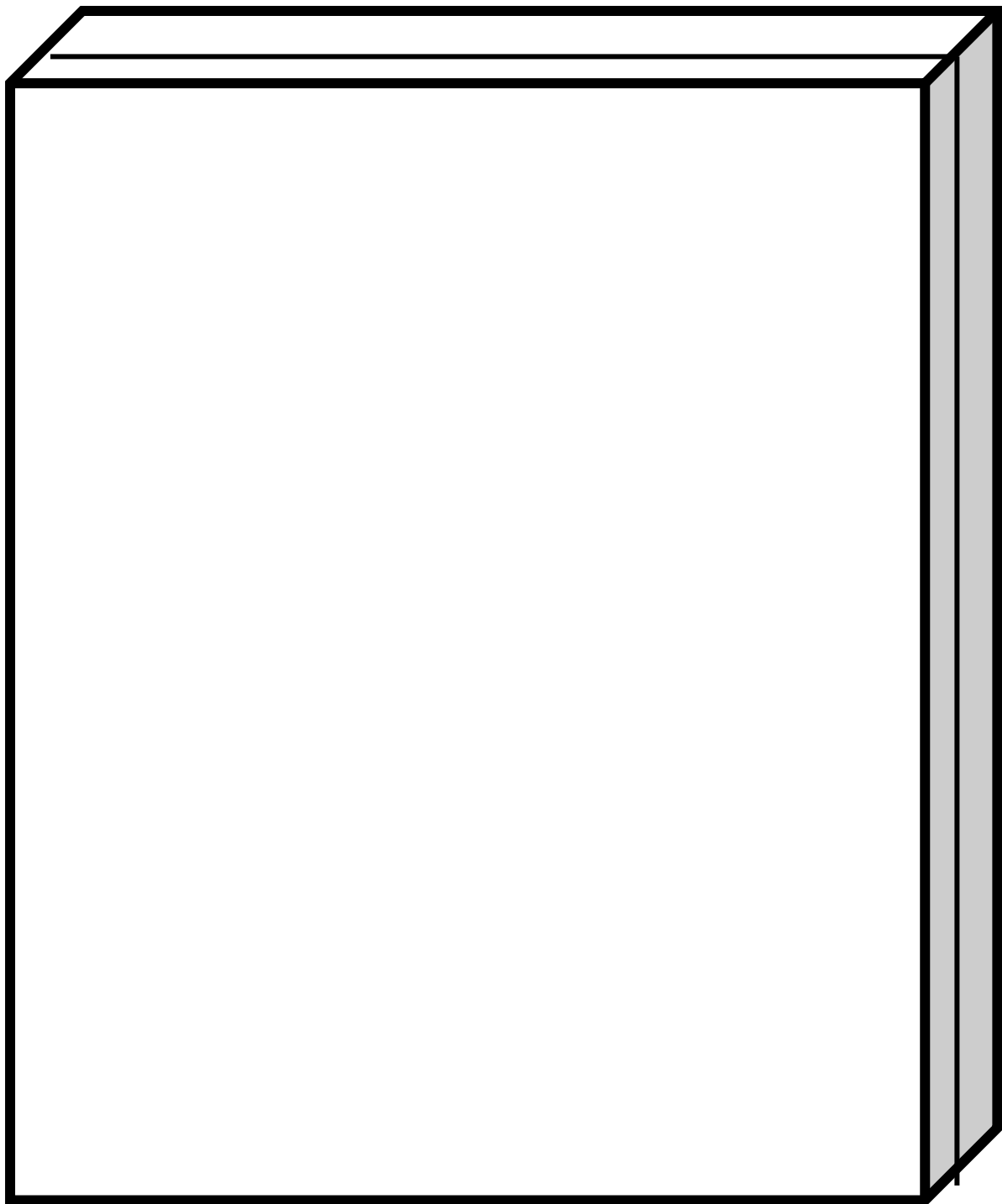
LEVIATHAN

Venn diagram



# LEVIATHAN

DVD cover



# LEVIATHAN

'Y Chart' for

'Y Chart' for .....

What you might hear

What you might see

What you might feel



# LEVIATHAN

(Letter to Jaspert. Consider designing a postcard for it)

A blank postcard template with a thick black border. The top half is divided into seven vertical columns by dotted lines. The bottom half is divided into four vertical columns by dotted lines, with a double line on the left. A small rectangular box is located in the bottom right corner.



July 1914

Price 1 Imperial Eagle

Latest news from the front

# LEVIATHAN

TOP 5 FACTS ROUGH DRAFT (Illustrate one of your facts in the style of Keith Thompson for a classroom display)

1

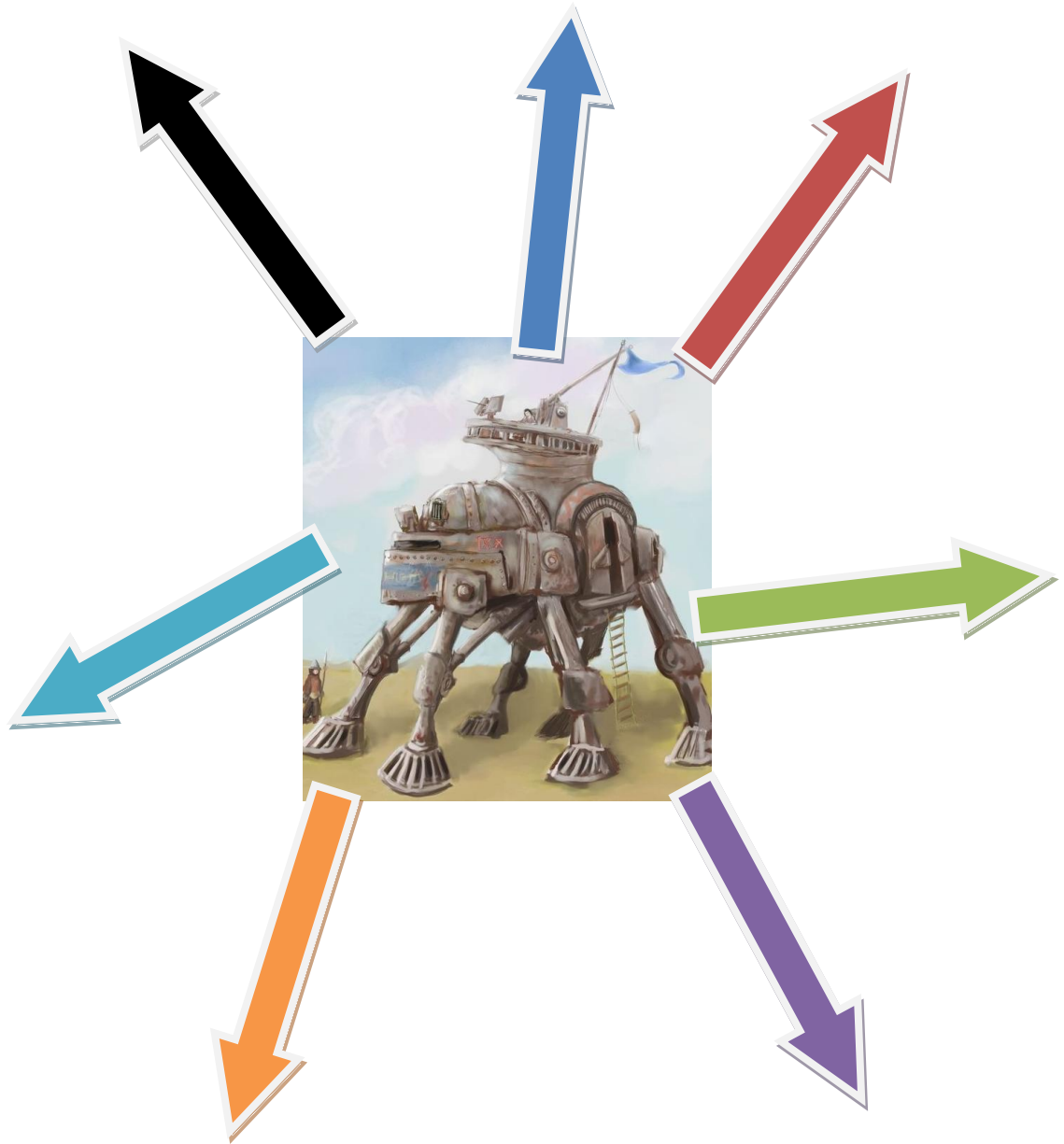
2

3

4

5

# LEVIATHAN Simple Web



LEVIATHAN

Funniest Saddest Happiest Most and most Unbelievable

<i><b>Funniest</b></i>	<i><b>Saddest</b></i>	<i><b>Happiest</b></i>	<i><b>Most Unbelievable</b></i>

# LEVIATHAN

Some of the traits in the list below fit Deryn and some do not. Select 4 traits that best describe him and write them on the chart. Then for each trait, list one action in which Deryn exhibits the trait.

Intelligent	funny	responsible	caring	determined
Honest	hardworking	problem solver	confidant	generous
Co-operative	loyal	brave	independent	
Serious	sad	greedy	dishonest	courageous

Trait	Actions that demonstrate the trait.

# LEVIATHAN (Literary Sociogram)

Draw portraits of the characters and link them up with an explanation of their relationship to each other.

(Enlarge to A3)

**Appearance**

**Words (a meaningful quote from the character)**

**Thoughts and motivation**

**settings**

**Actions**

**How the character changes**

**Interactions**

**Name of character**

**Relationships**

# LEVIATHAN

## A to Z Chart

--

[illegible]

--

# LEVIATHAN

Acrostic poem

C  
L  
A  
N  
K  
E  
R

# LEVIATHAN

Quotes: Deryn (Dylan) Dr. Barlow Count Volger Alek Klopp

The captain is a fool and the ship is full of idiots!

(Page 370)

I'm here to ask if we can come with you. If you can manage the weight of five extra men, we'd be in your debt. (Page 371)

The captain is an idiot. He refuses to complete our mission. He won't even try! If one can free-balloon to France, surely the Ottoman Empire is possible. It's simply a question of catching the right wind. (Page 371-2)

So Isabella opened the watch hoping to find a picture of one of her daughters inside but it was my mother. (Page 380)

So if the Germans killed your da, why is Austria helping them instead of giving the Kaiser a good kicking? Doesn't your family know what really happened? (Page 378)

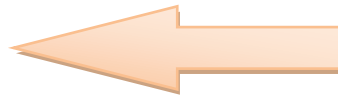
The Stormwalker has two powerful engines. Both in good working order. (Page 373)

I'm not used to talking animals, I'm afraid. It seems a bit ungodly, making them so much like human beings. (Page 382)

Don't tell anyone who I am. It might complicate things. (Page 375)

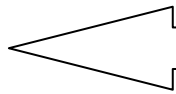
## ***Cause and Effect (one is done for you)***

Prince Aleksandar is woken up and spirited off to safety in a Stormwalker after his parents are assassinated.

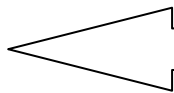


*The Prince is spirited away by his friends who fear that the murders are part of a conspiracy and that he will be assassinated next.*

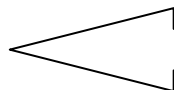
Prince Aleksandar's parents are assassinated



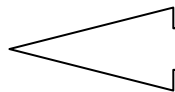
Deryn wants to join the air service but they don't accept girls.



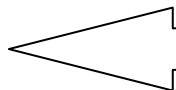
The Huxley panicked as a storm approached it with Deryn attached.



Alek talked to the spare parts dealer in Lienz.



The Leviathan landed in Regent's Park



# LEVIATHAN

## Cartoon



Create your own Leviathan inspired cartoon like this one.

From:

[http://fc01.deviantart.net/fs70/i/2010/227/0/f/The Perks of Being a Clanker by ComickerGirl.jp](http://fc01.deviantart.net/fs70/i/2010/227/0/f/The+Perks+of+Being+a+Clanker+by+ComickerGirl.jpg)

g

## LEVIATHAN

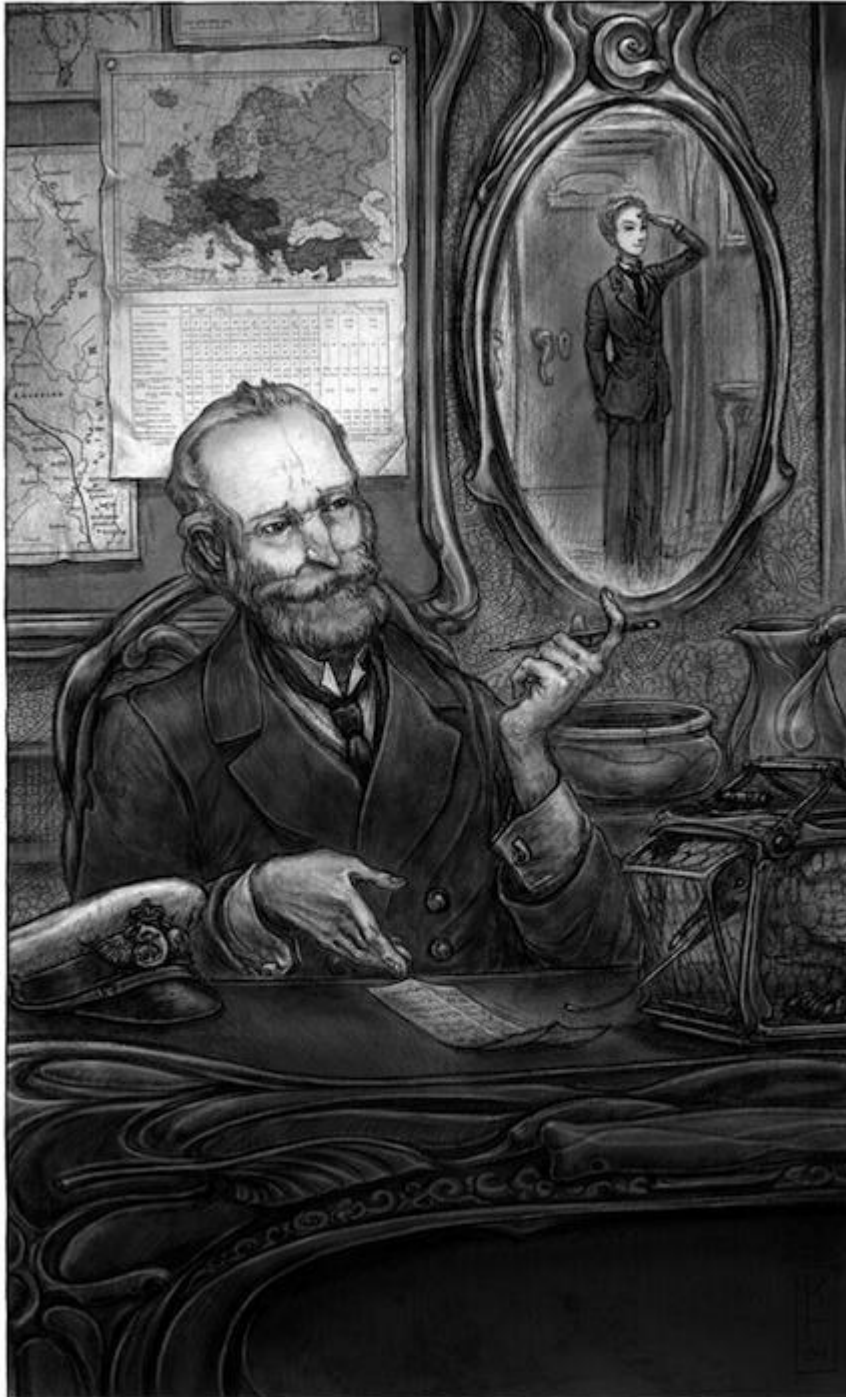
**What part does the setting play in the story?**

Setting in the story	Function in the story
<i>Archduke Ferdinand's Castle near Prague.</i>	
<i>Regent's Park London</i>	
<i>Field of rye grass (Chapter 14)</i>	
<i>The Swiss border (Chapter 17)</i>	
<i>The old castle in the Alps</i>	
<i>The Machine room(Chapter 24)</i>	

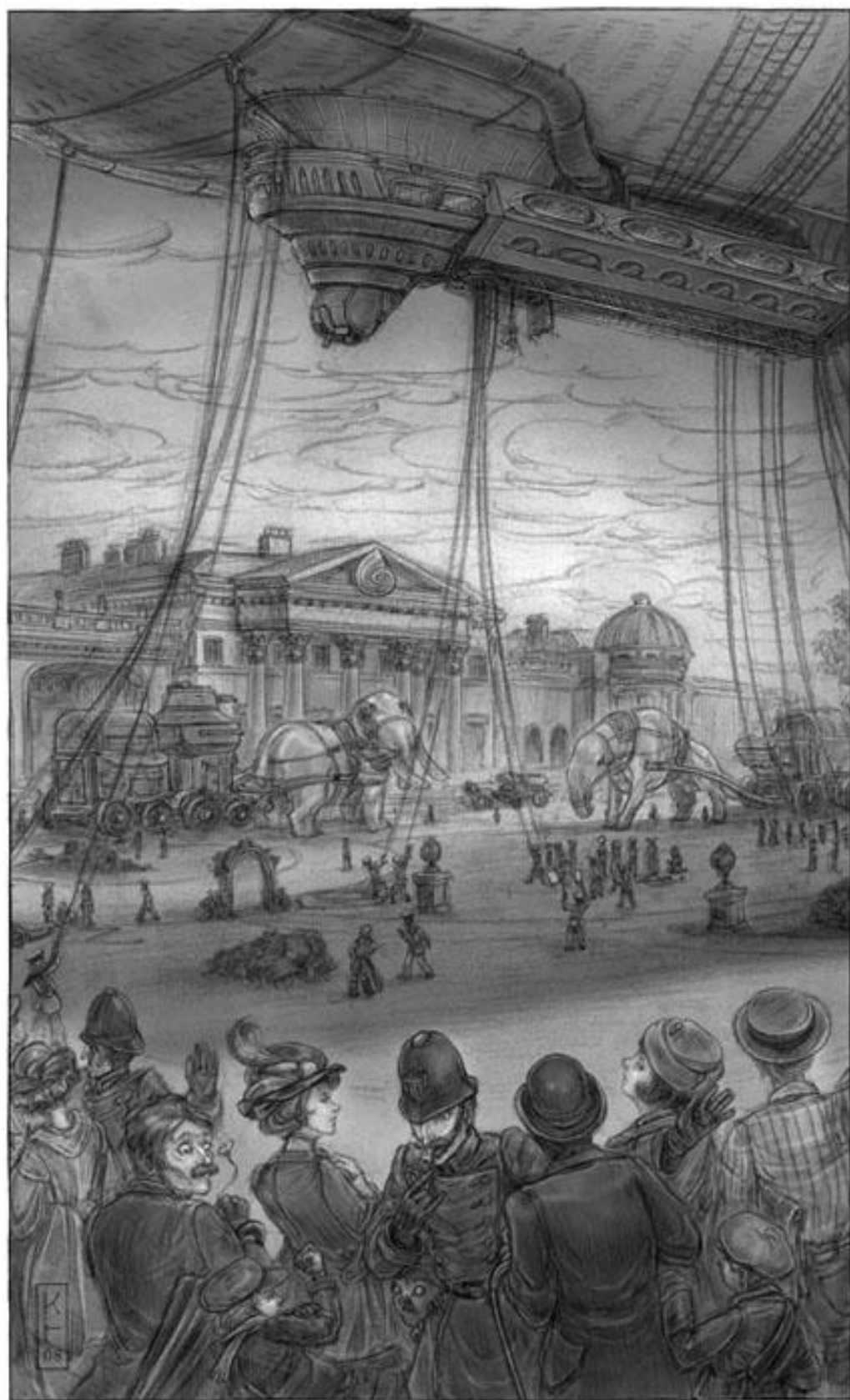
# Images from the story

Images from the book by Keith Thompson

Downloaded from Scott Westerfeld's web site. Draw your own steampunk images



"THE CAPTAIN'S QUARTERS."



"MOORING AT HYDE PARK."



"Stealing away."

# What is Steampunk?

"Steampunk is a style, of books, of clothes, of video games and movies, that draws its inspiration from old science fiction stories of Jules Verne, H.G. Wells, and Mary Shelley," she said, "set in a place and time where steam is the dominant form of high technology. It's a retro futurism."

"Steampunk," is part of the "Alternative History" genre of science fiction and focuses on an alternate Victorian age in which steam-driven computers and coal-fired robots are found in gritty industrial cities. Though the term was coined in the 1980s as an offshoot of "Cyberpunk," writing in this vein has appeared since the early 1900s, being inspired by the work, life and times of Jules Verne.



This is an example of a laptop that someone modified using the steampunk trademarks.

<http://walyou.com/steampunk-guns-dazzling/>



Leviathan trailer.avi



Scott Westerfeld Airship.avi

## ***Creative Writing Ideas***

### Remember

- Make a time line of events from the story (make a timeline for the Assassination of Archduke Ferdinand.) <http://www.historyonthenet.com/WW1/assassination.htm>  
Interesting timeline: <http://www.timetoast.com/timelines/38969> Online timeline maker <http://veerasundar.com/timelinr/>

Online wordsearch:

<http://www.historyonthenet.com/WW1/assassinationwordsearch.htm> and  
crossword: <http://www.historyonthenet.com/WW1/assassinationcrossword.htm>

- Write an acrostic poem (Leviathan or Clanker)
- Make an A to Z Chart of words from the story
- In your sketch pad and using a variety of art material draw what you regard as the pivotal episode from the story.
- Write a top 5 facts about the world of Leviathan for a notice board display
- Create your own graphic novel of an episode from the story as it is read as a serial. (At the completion of the serial you will have your own mini graphic novel)
- Prepare a thumbnail sketch of characters from Leviathan including both appearance and character. (Start with a simple web graphic organiser) Prove the character traits you've attributed to characters by citing events from the story. Check out Biography maker: <http://fno.org/bio/biomaker.htm>
- Children devise 5 quiz questions after reading a chapter of either story and test each other after the book is completed.

### Understand (Paraphrasing, categorising, extrapolating)

- Retell an episode in the story in your own words.
- Create a for sale advertisement for the walker. (What can they be used for other than making war?)
- Draw a cartoon / comic of an important scene or event from the story.
- Ask children to determine what was the most important event or personal attribute that helped Alek to survive? Use a simple web graphic organiser to create a profile of him. Include a portrait of him in the style of the old royal portraits from the time.

- List and describe the jobs some of the 'Beasties' do on the Leviathan. (Draw the creatures.) Refer chapters 24-26.

#### Apply (Applying knowledge)

- Create your own collection of Clanker type artefacts.
- Create a story map for Leviathan including relevant information about events.(Use the map provided in the end papers to help)
- Create a 'pop up' book, diorama or mural for an episode of the book
- Create a missing persons poster or a wanted poster for Alek.
- Design a map of Deryn and Alek's respective journeys with captions and images highlighting important events.
- Design a newspaper front story as if Deryn was relating her experiences to a journalist or an Austrian newspaper with a story about the assassination and disappearance of the prince.
- Make a board game about the story.(Play Diplomacy or Risk)
- Design a poster for the library to illustrate one of Scott Westerfeld's books. (Find out about the author.)
- Create a model of one of the Clankers machine monsters.
- Create a PowerPoint project about: tanks, trench warfare, airships, thylacines the Hindenburg disaster, ironclad warships, Political assassination, World War One, Austria Hungary, Switzerland or Charles Darwin.
- Write a dos and don'ts chart for running in a walker (refer page 93-95) .

#### Analyse (Distinguishing relevant from irrelevant, determining points of view and how elements fit and function within a structure)

- Write a commercial to sell the positives of Darwinist creations
- Create an 'action graph' for selected episodes from the story.
- Prepare a fact file or oral report on the true causes of World War One.
- Write a 'How to' guide for an activity demonstrated in the book such as running in a Walker or riding safely in a Huxley.

- Design a new front cover for the book
- Write 5 questions you would ask the author (Write to Scott Westerfeld)
- Create a list of the top 5 steampunk books students have read.



**Scott Westerfeld has released Behemoth (the 2<sup>nd</sup> book in the trilogy and just finished writing the 3<sup>rd</sup> book Goliath.)**

#### Evaluating (Checking and critiquing)

- How could certain situations be handled differently than in the story? (Alek makes a lot of mistakes. For example what if he hadn't wanted to help the downed aircrew?)
- Write a critical review of the story on an alternative DVD cover with an illustration of what you believe is the most important episode from the story.
- Draw a pivotal episode from the story as a puzzle. Compare what other children considered an important event.

#### Create (generating, planning and producing)

- Create a new domestic 'fab' to help around the house. Plan a marketing campaign for it.
- Write an alternate ending for the story. Write an additional chapter
- Create a crossword for Leviathan using Puzzlemaker.
- Write a postcard as if you were Deryn to her brother telling about some of her adventures.
- Develop a book report about the story using a format of your own, which we can put on the school's web site.

- Create your own 'Leviathan' PowerPoint presentation. Children will recall elements of the story (characters, problem, solution and events) on slides.
- Draw a comic depicting the scene in the field with the Austrian cavalryman (refer page 128-9)
- Write a newspaper report about the arrival of the Leviathan in London (page 66)
- Create your own Huxley type kite (refer page 296)

The PowerPoint should consist of 5 slides:

- 6) The title
- 7) Character slide (listing the important characters, facts about them and a picture)
- 8) The problem (Describe the major problems faced by the characters.) What is the main plot and 2 sub-plots.
- 9) Solution (Describe the solution to the problem)
- 10) Summary (A summary of the story)



"Addressing the applicants."



"Ascending."

***MOST know the assassination of the Austro-Hungarian heir Archduke Franz Ferdinand at Sarajevo on June 28, 1914, was the switch turning on the new killing machines of World War I.***

Yet the irony of this Serbian-supported terrorism, as the Austrians called it, was that while it unleashed one carnage consuming nine million lives it also ended another - final claimed count 272,511 - that the archduke wrought on the world's animals, including Australia's during a largely forgotten visit in 1893.

Duntroon college historian L.C.F. Turner wrote: "He was an unattractive personality, sullen, suspicious and addicted to blood sports." Australians recorded him saying, "Dis is de sport for me; dis is de sport my soul lofes."

Such ancient "sports" reached new heights in the last self-indulgent centuries of fading dominance by Europe's rural-based aristocracy. As industry and city, inhabited by new classes, arose this elite, having first lost the right to make private war, then to duel, found the swords they carried denoting their social status increasingly outmoded.

Blood sport was one of the few socially exclusive pleasures left. Yet, with hereditary office also under increasing attack, urban masses used new representative powers to deny even that fun. The Enlightenment's self-love of "man" initially reinforced subordination of animals but, inspired by the anti-slavery movement, the tide changed with Britain's Animal Protection Act and a "society instituted for the purpose of preventing cruelty to animals".

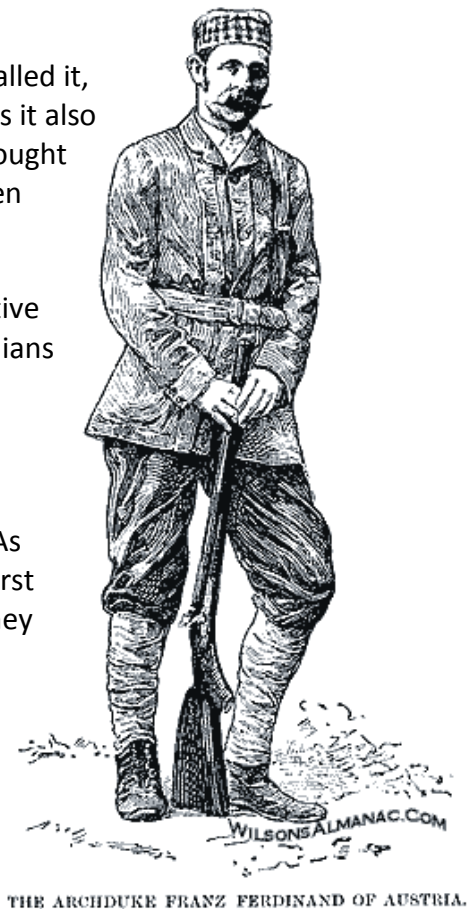
Constrained by change, aristocrats looked to the "new world", with its abundant wildlife and frontier attitudes accepting of the slaughter of animals and even indigenes to advance agriculture and pastoralism, to continue their sport: hence the trip to Australia.

Cheered from a crowded Sudbahnhof on December 14 1892, the 29-year-old sailed on the cruiser Kaiserin Elisabeth from Trieste, ostensibly a scientific expedition but really sent by his emperor-uncle to see the world while recovering from tuberculosis and stuttering shyness.

This was Ferdinand's Big Adventure. The previous year he fired a record 12,000 shots with 6000 kills: many were deer, some even small birds, kept as trophies at his Bohemian castle.

Cruising through the Suez canal he reached India where despite 2000 men, 150 horses and 25 elephants it took six weeks of unceasing shooting to bag a tiger.

Sailing from Calcutta, his ship anchored at Sydney's Farm Cove on May 16 to cannon salutes and an official welcome. After lunch, the archduke, with kinsman and first lieutenant, Archduke Leopold Ferdinand, Grand Duke of Tuscany, landed at Man o'War steps, toured



THE ARCHDUKE FRANZ FERDINAND OF AUSTRIA.

the city in hansom cabs, recording: "We strolled in Hyde Park and around George Street 'til it was time for the table d'hôte at the Hotel Australia."

There they joined "gentlemen, in the English fashion in tails, the ladies in evening dresses" whose pretty white faces were a relief after those of Asians, "not exactly attractive to our tastes". Dinner music was less refined, with "some artists who enticed horrible sounds from their instruments".

The rest of the tour plays like a Dimboola version of *The Shooting Party*, a film where insight disguised as whimsy portrays England's ruling class pheasant shooting a year before Sarajevo.

After identifying his prey at a museum, a train took the imperial party to the 68,000ha Narromine sheep station, 480km northwest of Sydney. He then mounted a four-in-hand sociable, followed by eight women on horseback and in buggies who bowed when he passed. Dressed in a brown Norfolk coat, light grey overcoat, long drab gaiters, bright red white-spotted tie and gold wrist bangle, he doffed his drab soft-felt hat to reveal fair hair parted in the middle and light blue-eyes.

Impressed by 100,000 sheep, 500 cattle and 500 horses grazing in the "immense bush", he showed greater concern for flora than fauna, lamenting land clearing by ringbarking as "very drastic means which to the eyes of a European accustomed to national forestry looks like vandalism".

Then the killing began. Onlookers admired him as a "magnificent shot", applauding as he felled five difficult targets - hopping kangaroos - then wallaby, emu, eagle, bush turkey, black swan, parrots, duck, pelican, ibis and crane. He was "absolutely delighted" except for the "English habit" of pausing for lunch.

At each kill, the unsmiling imperial party dismounted, doffed their hats and shook his hand.

When his shoelace untied, one bared his head and went to his knees to retie it. Another went on all fours to allow him to traverse a barbed wire fence. That night, while each kill was stuffed, photographed and catalogued, he entertained in his state rail car, with oysters, kangaroo-tail soup,

stewed steak and mushrooms, turkey, ham, new potatoes and French beans. Desert was sago pudding, jelly Charlotte russe and fruit. This was washed down with hock, champagne, liqueurs and cognac as in return he offered men stag-hunting shoots and women cigars: "Vill you not smoke? De ladies in Austria do smoke much, more and more."

He attended mass at St Mary's Cathedral in Sydney and visited a large meat preserving works.

Over three days near Moss Vale southwest of Sydney he shot platypus with "greatest joy" and koala - disappointingly slow targets - by dawn and possum by moonlight, totalling 300 with wallaby, kangaroo, pademelon, hares, ducks and magpie in between, interrupted only by a "sumptuous" banquet for Queen Victoria's birthday.

Visits to the NSW Art Gallery, Randwick races, a circus, dealers in natural and ethnological specimens, shearing and boomerang-throwing displays, and a ship-board dance followed, before the archduke left for America via Japan, a disapproved morganatic marriage and a fatal date with Gavrilo Princip.

There was little mourning at court for the unpopular archduke in 1914. The emperor adjudged: "Horrible, but the Almighty does not allow Himself to be flouted with impunity." Yet, he was not the only Nero about to plunge the masses they disdained into terrible slaughter. Told of the Austrian ultimatum to Serbia on July 24, Russia's Tsar struggled to comprehend its significance: "This is disturbing."

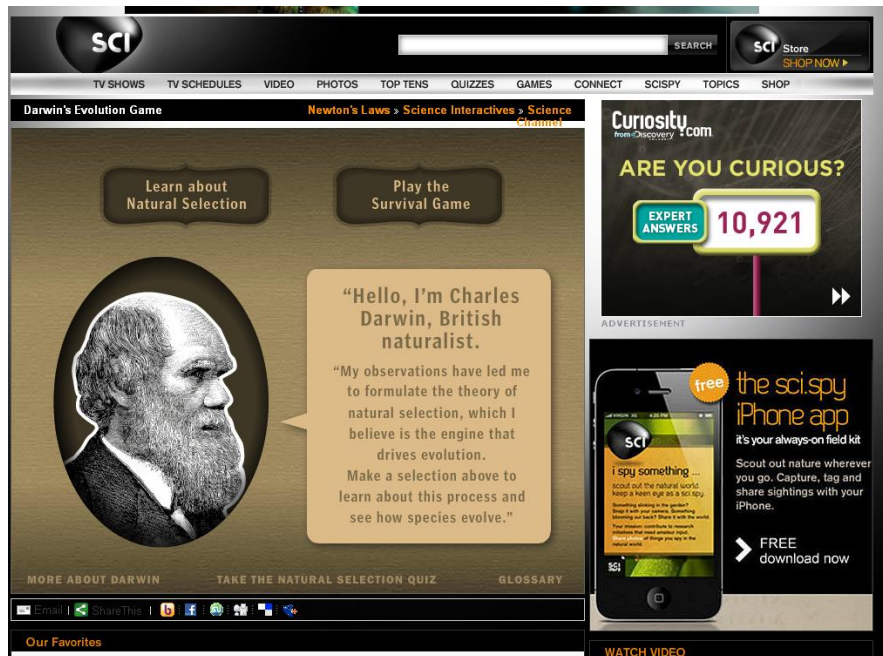
Indeed. A maelstrom was about to sweep away much of the old order. One shooting party had been ended; a more terrible one - claiming 62,000 Australians - was about to begin.

- From the Australian by Greg Pemberton April 2011,  
<http://www.theaustralian.com.au/news/world/archdukes-bush-slaughter/story-e6frg6ux-1226043081850>

## CHARLES DARWIN (Interactive sites)

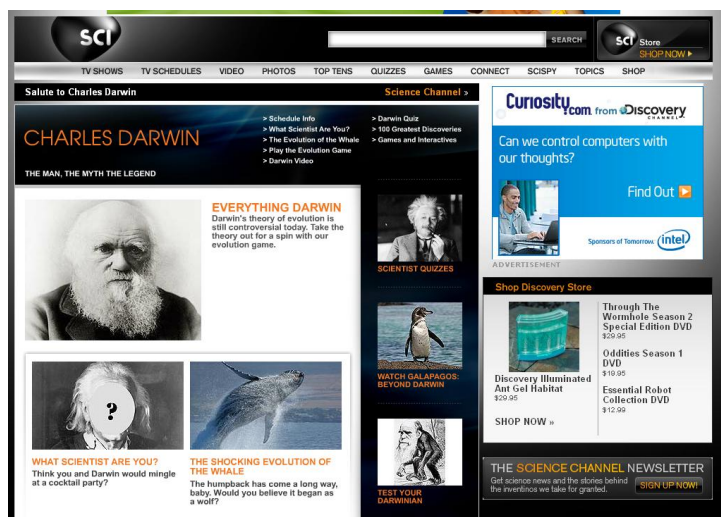
### [Darwin: Who Wants to Live a Million Years?: Science Channel](#)

Learn about **Darwin's** theory of natural selection and see if you can create a species that will survive one million years.



### [Charles Darwin : Charles Darwin Interactives : Science Channel](#)

Celebrate **Charles Darwin** and his accomplishments with maps, quizzes etc.



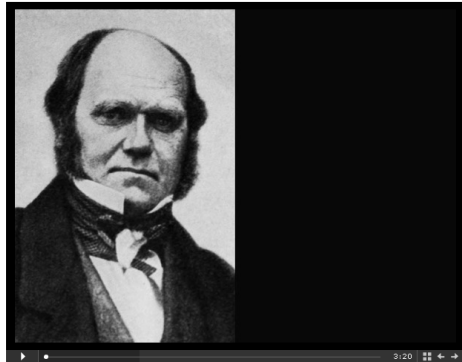
### [Audio slideshow: The life and times of Charles Darwin | Science ...](#)

An **interactive** guide to the social and historic context of **Darwin's** discovery of evolution by natural selection.

## The life and times of Charles Darwin

 Tweet [reddit this](#)

guardian.co.uk, Thursday 12 February 2009 00.01 GMT



Science  
Charles Darwin ·  
Evolution · Biology

UK news


[More audio slideshows](#)

**More interactives**

**More on this story**

**Simon Conway Morris:**  
Darwin was right. Up to  
a point

<http://www.teachersdomain.org/resource/tdc02.sci.life.evo.dar/>



Digital Media for the Classroom and Professional Development

SEARCH TEACHERS' DOMAIN

GO

User: Please sign in.

MY FOLDERS ▾

MY GROUPS ▾

MY PROFILE

? HELP

Not yet registered?

Register now to download, share, and save resources. It's simple, safe, and free! [Learn More](#)

REGISTER NOW

Sign-in Name:

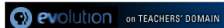
Password:


SIGN IN

Forgot Your Password?

# Evolving Ideas: Who Was Charles Darwin?

Resource for Grades 9-12 | [Citation](#)





Media Type: Video

Running Time: 6m 38s

Size: 16.8 MB

VIEW

This video for high school students highlights Charles Darwin's personal struggle to bring to light his theory of evolution through natural selection, which meant going against societal norms of the time. In this brief portrait from *Evolution*, students will discover how his upbringing, curiosity, and passion for natural history, his voyage on the *Beagle*, and his reliance on scientific process led to the publication of his groundbreaking book, *On the Origin of Species by Means of Natural Selection*.



**Accessibility Features:** Caption

▶ Background Essay

▶ Discussion Questions

▶ Standards

SAVE TO FOLDER

Share |  



Source: *Evolution*: "Who Was Charles Darwin?"

See Also:


National K-12 Subject: [History of Evolution](#)

Lesson Plans Using this Resource: [Charles Darwin](#)

Resource Produced by:





Collection Developed by:



Collection Credits

Darwin Legacy Quiz. Take our ten-question quiz on **Charles Darwin** and his extraordinary voyage on the H.M.S. Beagle.



Current Issue

August 2011

Table of Contents >

ngm.com

Search

HOME

FEATURES

PHOTOGRAPHY

YOUR SHOT

MY SHOT

VIDEO

NOW | NEXT

PUZZLES

ARCHIVES

SUBSCRIBE

Feature Article

Photo Gallery

Video

Quiz

Related Story

Darwin Legacy Quiz

Take our ten-question quiz on Charles Darwin and his extraordinary voyage on the H.M.S. *Beagle*.

Question: 1

2

3

4

5


6

7

8

9

10



Portrait of a young Charles Darwin.


Photograph by James L. Stanfield

What American president shares Charles Darwin's birthday?

☐ Abraham Lincoln
 ☐ William McKinley
 ☐ Jimmy Carter
 ☐ Ronald Reagan

Submit Answer

ADVERTISEMENT



TAKE TV TO AMAZING

NOW >

## [Charles Darwin's 200th - Tree of Life Resources Free Online](#)

His college has contributed a beautifully designed **Charles Darwin** anniversary initiative

### Charles Darwin's 200th - Tree of Life Resources Free Online

Updated 13. July 2011 - 7:49 by [site editor](#)

February 12th 2009 saw the two hundredth anniversary of the birth of **Charles Darwin**. The gradual build up to the bicentennial celebrations spawned a wealth of authoritative free resources online for navigators of all ages and levels of knowledge.

#### **Darwin's writings online**

A landmark was the online publication in 2006 of Darwin's collected writings.

All his works can now be freely navigated and searched in 'text view' (quicker) and facsimile 'image view' (slower) at the [darwin-online website](#).



#### **Charles Darwin and Evolution**

Darwin spent some time at Christ's College, Cambridge, as a rather wayward undergraduate student. His college has contributed a beautifully designed **Charles Darwin and Evolution** website to the bicentenary celebrations. The site provides a well organized and clearly written introduction to some of the main themes of Darwin's work.

Hidden away is a page with links to other [free online resources](#) and anniversary initiatives for the public, such as videos and audio from the **PBS**, as well as a virtual tour of his

[birthplace, The Mount](#).



#### **Trees of life**



Another online Darwin anniversary initiative is the [Wellcome Trust interactive tree of life](#), with a brief introductory video by David Attenborough. The 'tree' itself is restricted to the animal kingdom and isn't easy to navigate. But if you have a fast internet connection it can be fun to explore. And there are some wonderful images lurking there, ready to download...



However, you may prefer to explore the less hi-tech but beautifully presented [Tree of Life web project](#) - an evolving educational website with a variety of [treehouses](#) for children.

Another currently ongoing collaborative project to explore is the monumental [Encyclopedia of Life \(EOL\)](#). This fast growing scholarly work first went live online in 2008 ([Tech Treat](#) [here](#)).

## [MyReadingMapped™: Interactive Map of Charles Darwin's Explorations](#)

The adventures of the likes of **Charles Darwin** as he traveled the world



## [Darwin - Big idea big exhibition](#)

Follow **Charles Darwin's** voyage on the Beagle around the world



## [Charles Darwin's 200th Birthday - UEN](#)

Learn more about some of **Charles Darwin's** most prophetic ideas with this **interactive** slide show. (Be careful, this site is from Utah)


**UTAH EDUCATION NETWORK**
[A-Z Site Index](#)

[Professional Development](#)
[UEN-TV](#)
[IVC Distance Ed.](#)
[Network](#)
[About UEN](#)

[UEN](#) > [General Learners](#) > [Darwin](#) > [Charles Darwin's 200th Birthday](#) - UEN
 [Share](#)

## Charles Darwin's 200th Birthday

**February 12, 2009**

Join us in celebrating the 200th birthday of one of the world's greatest and most influential scientists, Charles Darwin.

---

[General Information](#)
[Teacher Resources](#)
[Web Activities](#)
[Videos & Illustrations](#)

### General Information

#### Charles Darwin Biography



Learn more about Charles Robert Darwin's life - born in 1809 and died in 1882.

#### Darwin Online



The complete works of Charles Darwin online, including audio extracts and reference works available to download.

#### PBS: Evolution - Darwin



Explore Darwin's life and the theory he proposed, find resources for teachers and students and a library of additional resources.

#### AboutDarwin.com



Dedicated to the Life & Times of Charles Darwin

#### Was Darwin Wrong?



This National Geographic Magazine feature focuses on evolutionary theory. There is an excerpt from an article about the controversy surrounding Darwin's theory.

#### Evolution Frequently Asked Questions



Do you have questions about evolution? Check out the Evolution FAQ.

### Teacher Resources

#### Evolution: Teacher's Guide



Download free pdf versions of each unit of this 40-page guide, filled with activities and multimedia resources on science and evolution.

#### Evolution's Role in History



This activity provides an opportunity for students to compare the theories of two historically important evolutionary scientists: Jean Baptiste Lamarck and Charles Darwin.

#### Darwin's Great Voyage of Discovery



Follow in Darwin's footsteps as he sails to distant lands, encounters exotic creatures, and develops his theory of natural selection.

#### Comparing Theories: Lamarck and Darwin



This activity provides an opportunity for students to compare the theories of two historically important evolutionary scientists: Jean Baptiste Lamarck and Charles Darwin.

#### The Voyage of the Beagle



Charles Darwin's travel memoir of his second survey expedition on the ship HMS Beagle. (1831-1836)

#### The Origin of Species



Read Charles Darwin's "The Origin of Species" online.

## Other sites


<http://www.aboutdarwin.com/darwin/whowas.html>

## AboutDarwin.com

Dedicated to the Life & Times of Charles Darwin

[Home Page](#)
[About Site](#)
[Credits](#)
[Terms](#)

[Darwin Timeline](#)
[Beagle Voyage](#)
[Photographs](#)
[About Darwin](#)
[Research Papers](#)
[Darwin News](#)
[People of Note](#)
[Books & Articles](#)
[Links Database](#)
[C-Mail](#)



### About Charles Darwin

[INDEX](#)

#### Who was Charles Darwin?

**What did Darwin look like?**  
**What were some of his other physical attributes?**  
**What was Darwin like as a child?**  
**How did his love of natural science develop?**  
**What did Darwin accomplish while at medical school?**  
**How was his thirst for science nurtured at Cambridge University?**  
**What kind of music did Charles Darwin like?**  
**What sorts of literature did Darwin like?**  
**What was Darwin's family life like?**  
**What were Darwin's views on politics?**  
**What were Darwin's religious views?**

#### Who was Charles Darwin?

Most people know that Charles Darwin was the father of evolutionary biology. However, what is not widely known is what sort of a person Charles Darwin was. In an attempt to remedy this situation, this section of AboutDarwin.com will allow the reader to get to know Darwin on a very personal level.

#### What did Darwin look like?

Charles Darwin stood about 5 feet, 11 1/2 inches tall and weighed, after his famous Beagle Voyage, 148 pounds (10.5 stone). Judging from older photographs, it is likely that he gained a bit of weight in his later years. He had dark brown hair, with a receding hairline on his forehead, and thick curly sideburns. His piercing blue-gray eyes were set off by long, bushy, bushy eyebrows. In his elderly years, his

# Darwinist Project

## Who was Charles Darwin?

- Find about this famous scientist and create a fact file about him.
- Basic facts (birth, education, marriage status, death etc)
- Contribution to science (Find out facts about the voyage of the Beagle, What was his main discovery? What was the impact of his discoveries?)

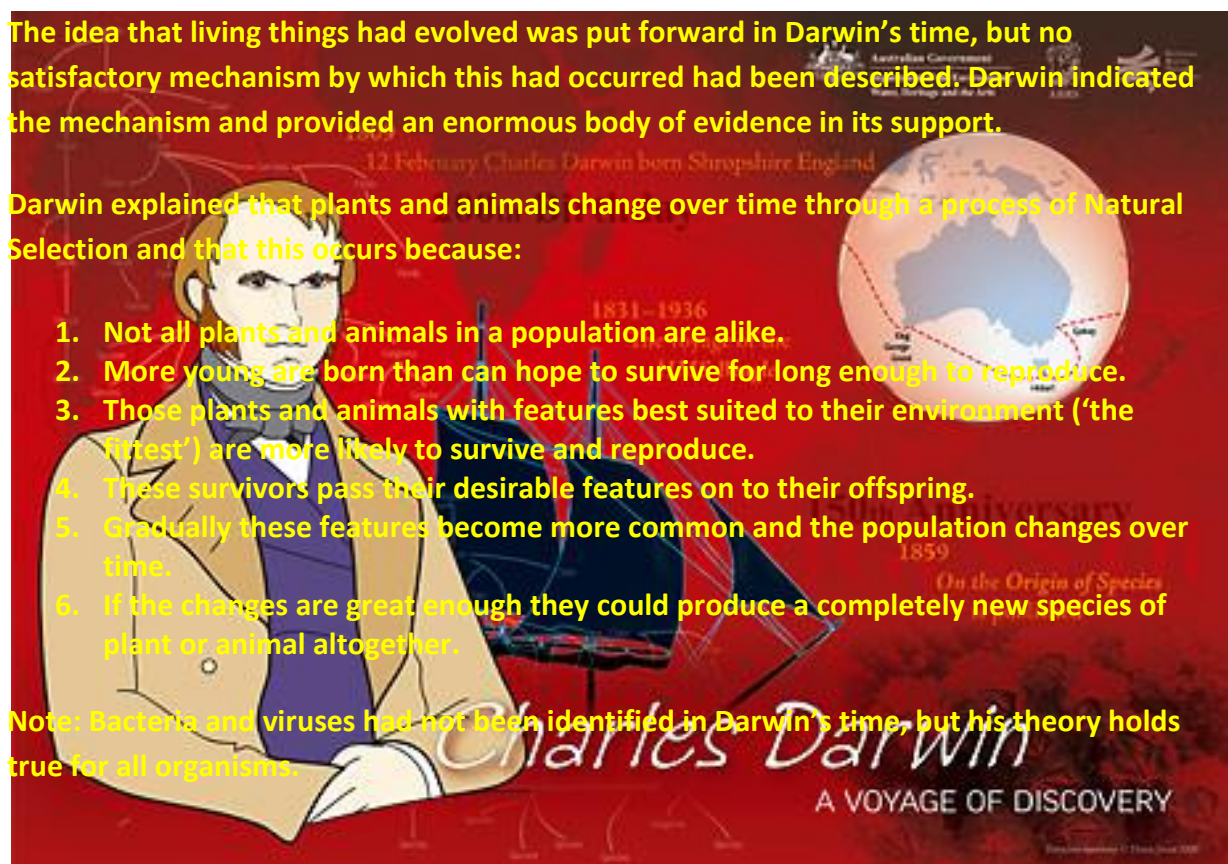
## Darwin's great theory

The idea that living things had evolved was put forward in Darwin's time, but no satisfactory mechanism by which this had occurred had been described. Darwin indicated the mechanism and provided an enormous body of evidence in its support.

Darwin explained that plants and animals change over time through a process of Natural Selection and that this occurs because:

1. Not all plants and animals in a population are alike.
2. More young are born than can hope to survive for long enough to reproduce.
3. Those plants and animals with features best suited to their environment ('the fittest') are more likely to survive and reproduce.
4. These survivors pass their desirable features on to their offspring.
5. Gradually these features become more common and the population changes over time.
6. If the changes are great enough they could produce a completely new species of plant or animal altogether.

Note: Bacteria and viruses had not been identified in Darwin's time, but his theory holds true for all organisms.



## Reference

Charles Darwin in Australia, F.W. Nicholas & J M Nicholas, Cambridge University Press, 2002.

- <http://www.environment.gov.au/biodiversity/abrs/publications/posters/darwin.html>
- <http://www.environment.gov.au/biodiversity/abrs/publications/posters/pubs/charles-darwin-teachers-booklet.pdf>
- [http://www.christs.cam.ac.uk/darwin200/pages/index.php?page\\_id=k4](http://www.christs.cam.ac.uk/darwin200/pages/index.php?page_id=k4)
- <http://www.evolverzone.com/>
- <http://www.smithlifescience.com/MLdarwin.htm>
- [http://www.google.com.au/search?hl=en&rlz=1R2ADSA\\_enAU382&biw=1280&bih=483&q=charles+darwin+teachertube&oq=charles+darwin+tea&aq=7v&aqi=g1g-v8g-b1&aql=&gs\\_sm=c&gs\\_upl=280753l290410l0l297476l15l8l1l0l0l1l375l1373l2-4.1l5l0](http://www.google.com.au/search?hl=en&rlz=1R2ADSA_enAU382&biw=1280&bih=483&q=charles+darwin+teachertube&oq=charles+darwin+tea&aq=7v&aqi=g1g-v8g-b1&aql=&gs_sm=c&gs_upl=280753l290410l0l297476l15l8l1l0l0l1l375l1373l2-4.1l5l0)
- <http://www.pbs.org/wgbh/evolution/darwin/diary/index.html>
- <http://www.teachersdomain.org/resource/tdc02.sci.life.evo.dardiary/>
- <http://www.teachersdomain.org/resource/tdc02.sci.life.evo.darrebel/>
- <http://www.teachersdomain.org/resource/tdc02.sci.life.evo.dar/>
- <http://science.discovery.com/scientists/darwin/darwin.html>

*Charles Darwin is often called the "Father of Evolution," but there was much more to the man than just his scientific papers and literary works. Let's take a look at some interesting facts about the man behind the Theory of Evolution and Natural Selection.*

### 1. [Charles Darwin Married His Cousin](#)

How did Charles Darwin meet his wife Emma Wedgwood? Well, he didn't have to look farther than his own family tree. Emma and Charles were first cousins. The couple was married for 43 years before Charles passed away. The Darwins had 10 children total, but two died in infancy and another passed away when she was 10 years old.

### 2. [Charles Darwin Was an Abolitionist](#)

Darwin was known to be an empathetic man toward animals, and this sentiment extended to humans as well. While traveling on the *HMS Beagle*, Darwin saw what he felt were injustices of slavery. His stops in South America were particularly startling for him, as he wrote in his accounts of the journey. It is believed that Darwin published *On the Origin of Species* partly to encourage the abolishment of slavery.

### 3. [Charles Darwin Had Connections to Buddhism](#)

Even though Charles Darwin was not a Buddhist himself, he and his wife Emma had an alleged fascination of and respect for the religion. Darwin wrote a book called *Expressions of the Emotions in Man and Animals* in which he explained that compassion in humans was a trait that survived natural selection because it is a beneficial trait to want to stop the

suffering of others. These types of assertions may have been influenced by Buddhism tenets that are similar to this line of thinking.

#### 4. [Charles Darwin Influenced the Early History of Psychology](#)

The reason Darwin is the most celebrated of the contributors to the Theory of Evolution is because he was the first one to identify evolution as a process and offered an explanation and a mechanism for the changes that were occurring. When psychology was first breaking away from biology, the proponents of functionalism modeled their ideas after Darwin's way of thinking. This was in stark contrast to the existing structuralism line of thought, and brought about a new way of looking at early psychological ideas.

#### 5. [Charles Darwin Was Born on the Same Day as Abraham Lincoln](#)

February 12, 1809, was a very significant day in history. Not only was Charles Darwin born that day, future President of the United States Abraham Lincoln was born, too. These great men had many similarities. Both had more than one child die at young ages. In addition, both were strongly against slavery, and successfully used their popularity and influence to help abolish the practice. Darwin and Lincoln both lost their mothers at a young age and reportedly suffered from depression. Perhaps most importantly, both men changed the world with their accomplishments and shaped the future with their works.

## Clanker Project

### Who was Count Zeppelin?

- Find about this famous inventor and create a fact file about him.
- Basic facts (birth, education, marriage status, death, career in the army etc)
- Contribution to transport (Find out facts about )

<http://www.airships.net/count-ferdinand-von-zeppelin>

<http://www.ideafinder.com/history/inventors/zeppelin.htm>

<http://www.zeppelin-museum.de/> (in German)

<http://www.spartacus.schoolnet.co.uk/FWWzeppelinF.htm>

<http://www.britishpathe.com/>

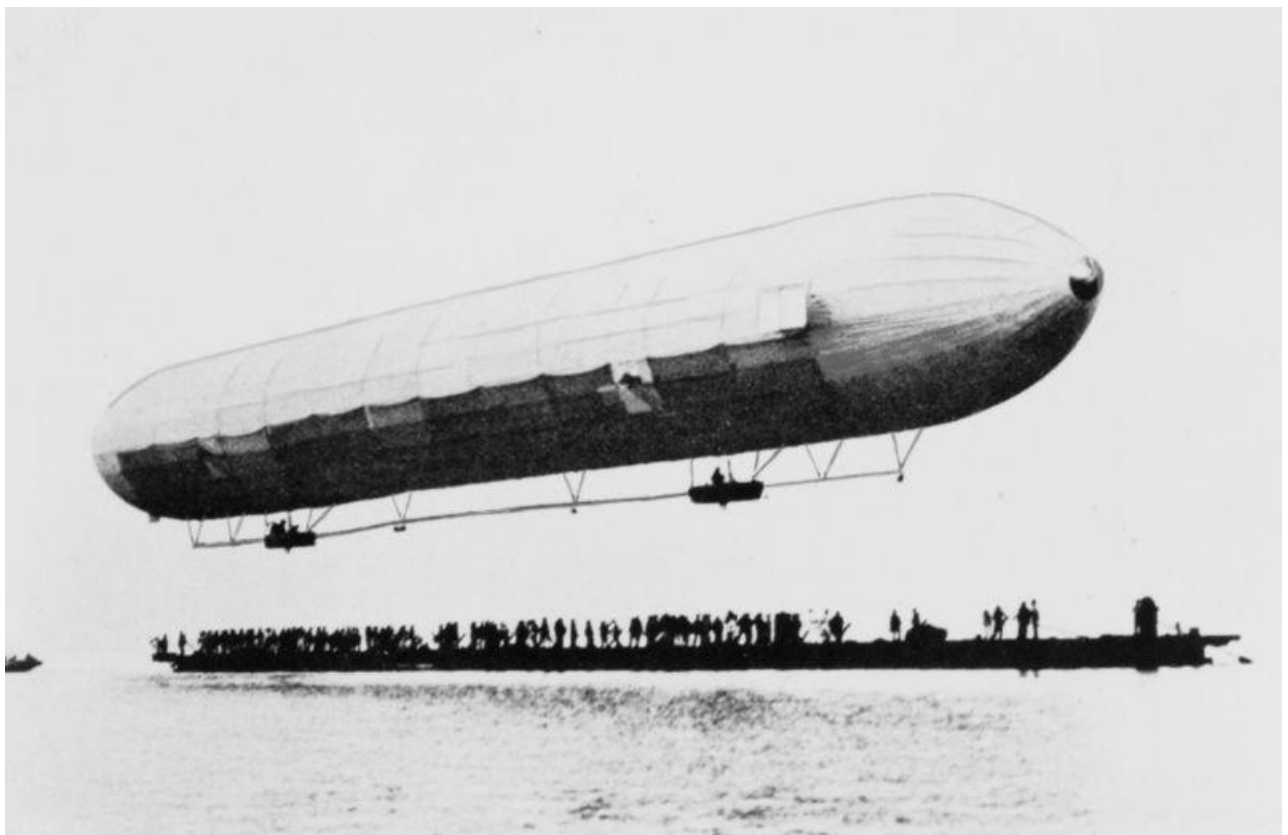
<http://gmu.mossiso.com/zeppelin/?page=home&item=3>

[http://en.wikipedia.org/wiki/Ferdinand\\_von\\_Zeppelin](http://en.wikipedia.org/wiki/Ferdinand_von_Zeppelin)

<http://www.funnygames.co.uk/zeppelin-landing.htm>

## DID YOU KNOW?

- The Zeppelin Airships still fly today. The newest was built in 1997.
- In modern common usage, zeppelin, dirigible and airship are used interchangeably for any type of rigid airship, with the terms blimp or airship alone used to describe non-rigid airships.
- In modern technical usage, airship is the term used for all aircraft of this type with zeppelin referring only to aircraft of that manufacture and blimp referring only to non-rigid airships.
- Graf is a title, translated as Count, not a first or middle name. The female form is Gräfin. When "Graf" or its translation "Count" is used, it is correct to omit the "von." Thus, "Ferdinand von Zeppelin," but "Graf Zeppelin."



*Early zeppelin*

WORK SAMPLES (July-August 2011 by Erik Butler)

# FOR SALE

## GRADE A CYKLOP STORM WALKER



The Cyklops Storm Walker can be used for hunting animals but don't expect to find the bodies also it can be used for dropping kids off at school (You won't have trouble finding a parking spot) you might also enjoy using it as a ride for children and transporting goods.

**PRICE: 150 000 KRONE**

PATRONS ARE REQUESTED TO FAVOR THE COMPANY BY CRITICISM AND SUGGESTION CONCERNING ITS SERVICE.

CLASS OF SERVICE	WESTERN UNION	SIGNS
This is a full-rate Telegram or Cablegram unless the deferred character is indicated by a suitable sign above or preceding the address.	WILLIAM CARPENTER, PRESIDENT	DL=Day Letter
	J.C. WILLIAMS, FIRST VICE-PRESIDENT	NM=Night Message
		NLT=Night Letter
		LC=Deferred Cable
		NLT=Cable Night Letter
		WLT=Week-End Letter

The time as shown in the date line on full-rate telegrams and day letters, and the time of receipt at destination as shown on all messages, is STANDARD TIME.

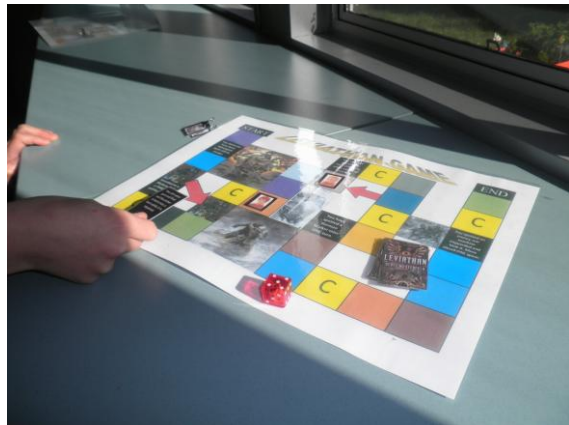
Received at

Dear Mother and Father

Send help STOP have been kidnapped by Master  
Klopp and Count Volger STOP I am hiding in Lienz  
Repair Shop STOP please hurry STOP

TELEGRAMS MAY BE TELEPHONED TO WESTERN UNION FROM ANY PRIVATE OR PAY-STATION TELEPHONE

*Photos of Erik's board game and making a plastic model of the Hindenburg.*



# WANTED

## PRINCE ALEKSANDAR HAPSBURG



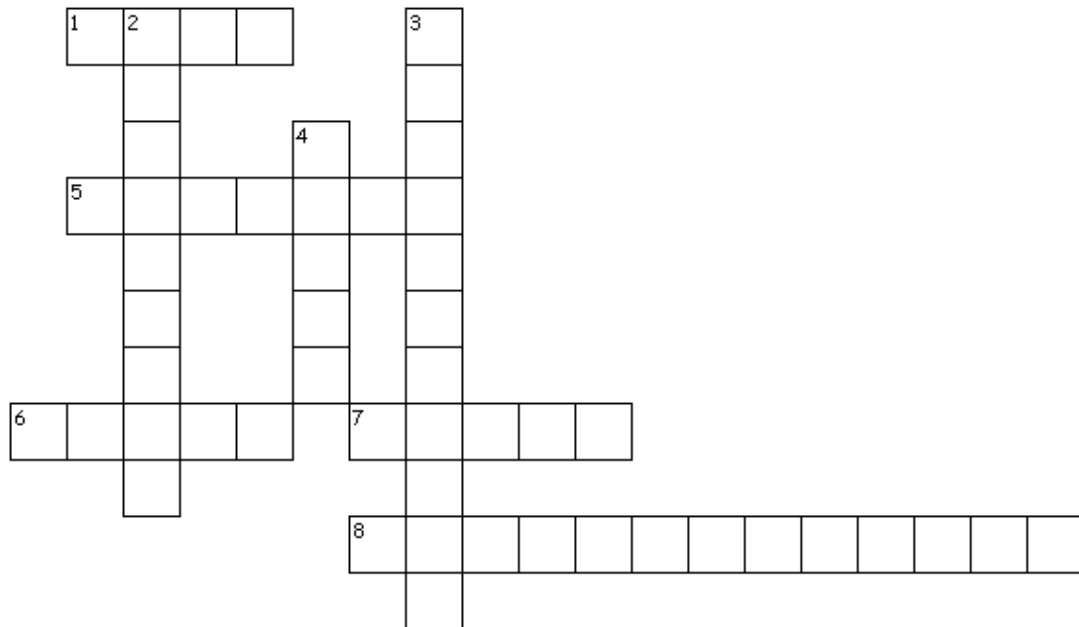
**Description: Reddish brown hair, pale white skin, thin dark eyebrows, skinny and talks like a clanker.**

**For: Crimes against the Emperor, trespassing, attempting murder and betraying the throne.**

**If found bring to the Emperor's jail in Sarajevo at once.**

**REWARD: 100 000 KRONE**

# LEVIATHAN CROSS WORD



## Across






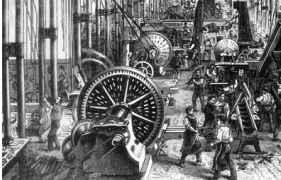
1. Who is running away?
5. How old is Alek?
6. The Leviathan is based on what animal?
7. Who helps Alek pilot the walker?
8. What do they call the animals that run around carrying messages?

## Down

2. What is the name of the book?
3. Who is his fencing teacher?
4. Who has to pretend to shave?



## LEVIATHAN SETTINGS

<p><b>Archduke Ferdinand's Castle Near Prague.</b></p>	<p><b>Master Klopp and count Volger help Alek escape in the night.</b></p> 
<p><b>Regent's Park London.</b></p> 	<p><b>The Leviathan lands next to the zoo and picks up a lady boffin.</b></p>
<p><b>Field Of Rye Grass.</b></p>	<p><b>Alek kills an Austrian soldier with a sword.</b></p> 
<p><b>The Swiss Border.</b></p> 	<p><b>Alek has to evade the Herkules Wotan Class land ship which is searching for them.</b></p>
<p><b>The Old Castle In The Alps.</b></p> 	<p><b>This is their well-prepared hideout in the alps. Where they spot the Leviathan go down.</b></p>
<p><b>The Machine Room.</b></p> 	<p><b>Deryn has to help keep the eggs safe by keeping them at the correct temperature.</b></p>

Acrostic Poem

CLEVER

LOYAL

AUSTRIAN

NOISY

KLOPP

ERNEST

RIGHTIOUS

# ACTION GRAPH FOR LEVIATHAN

Red	White	White	White	White
Red	White	White	White	Black
Red	Blue	White	Red	Black
Red	Blue	White	Red	Black
Red	Blue	Purple	Red	Black

**When the  
Germans  
attack the  
Leviathan in  
the planes.**

**When Alek  
kills the  
soldier on  
the horse  
with his  
sabre.**

**When Alek  
escapes  
from the  
palace.**

**When Dylan  
holds a knife  
to Prince  
Alek's  
throat.**

**When the  
German  
soldiers shot  
the anti  
walker gun  
at the**

