

COGHEART GUIDED READING SHEETS

Guided reading Session One - Prologue & Chapter 1

(All Guided reading questions set by Natasha Ball.)

Word analysis

1. On page 7, it says,

Just then, Dragonfly's rudder shifted, and she pitched...

What does the word pitched mean?

2. On page 10 it tells us that the escape pod left the airship. It says

As John watched it through the open hatch, shrinking away in the sky...

Why is the pod shrinking?

3. Chapter 1 starts by telling us that Lily trudged along at the back of a line of girls.

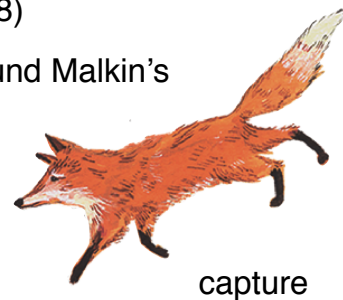
What does the word trudged tell us about how Lily feels?



4. Page 12 tells us The Kraken is obsessed with posture.
Which phrase is closest in meaning to the word obsessed?
a) liked a lot c) always on their mind
b) completely hated d) couldn't care less
5. On page 15 the Kraken uses a word to describe Lily's penny dreadfuls which means she thinks they are nonsense. What is the word?
6. On page 23 Lily wants to hit Lucretia. What does it mean when it says, she ground her teeth?

Fact retrieval

1. Why does Malkin let out a bark of alarm? (page 8)
2. What does John stuff into the leather pouch around Malkin's neck? (page 9)
3. Why does John put a key on a chain and hang it around Malkin's neck? (page 9)
4. In Lily's penny dreadful where did Varney the heroine? (page 11)
5. What causes Lily to trip and step on Gemma's foot? (page 13)
6. What happened that meant Lily was sent to Miss Scrimshaw's Academy? (page 17)
7. What does the school motto Vincit Omnia Veritas, mean? (page 24)
8. Why is the stool in the coal bunker precarious? (page 26)



Inference

1. In what ways does the author make the silver airship seem dangerous? Give at least 2 examples from the text on pages 7 & 8.
2. What do we find out about John's personality on page 9? Give at least 2 features of his character with evidence from the text.
3. What do you think the thin figure did to John at the end of the prologue?

4. How are the girls in Lily's department class made to seem different from Lily? Give examples from the text on pages 12 & 13.
5. Do you think Lily's Pa would like Miss Scrimshaw's Academy? Explain why using evidence from the text.
6. How can you tell from Lily's conversation with Molly the mechanical maid, that Lily cares about mechanicals more than the other girls do? Give examples from pages 20 – 22.



7. How does the author make the coal bunker seem an unpleasant place? Look at page 26 for examples.

Deep thought

Cogheart is written in the third person narrative. Discuss how the story might have been different if it had been told in the first person from Malkin's point of view.

What do you think we might have learnt or seen in these first opening chapters?

Have a go at rewriting the prologue as if it is Malkin recalling the airship disaster

Session One Answers

Word analysis

1. On page 7, it says,

Just then, Dragonfly's rudder shifted, and she pitched...

What does the word pitched mean? **Up and down movement in the air**

2. On page 10 it tells us that the escape pod left the airship. It says

As John watched it through the open hatch, shrinking away in the sky...

Why is the pod shrinking? **The pod is shrinking as it moves away into the distance. It looks smaller because of perspective**



3. Chapter 1 starts by telling us that Lily trudged along at the back of a line of girls.

What does the word trudged tell us about how Lily feels? **Trudging means to walk slowly and with heavy steps, Lily walks like this because she doesn't want to be in department class with these girls, she would rather be reading her penny dreadful**

4. Page 12 tells us The Kraken is obsessed with posture.

Which phrase is closest in meaning to the word obsessed?

- a) liked a lot
 - b) completely hated
 - c) always on their mind
 - d) couldn't care less
5. On page 15 the Kraken uses a word to describe Lily's penny dreadfuls which means she thinks they are nonsense. What is the word?
bunkum
 6. On page 23 Lily wants to hit Lucretia. What does it mean when it says, she ground her teeth? **Lily clenches her teeth together because she is so angry with Lucretia it is as if she is trying to contain herself and hold her words in.**

Fact retrieval

1. Why does Malkin let out a bark of alarm? (page 8) **As the stench of burning gas filled the flight deck.**
2. What does John stuff into the leather pouch around Malkin's neck? (page 9) **a battered envelope**
3. Why does John put a key on a chain and hang it around Malkin's neck? (page 9) **so that someone will be able to wind Malkin when John is not there**
4. In Lily's penny dreadful where did Varney capture the heroine? (page 11) **in the disused attic of an Italian boarding school**
5. What causes Lily to trip and step on Gemma's foot? (page 13) **Lily tripped on her untied shoelace after the Kraken had shouted stop**

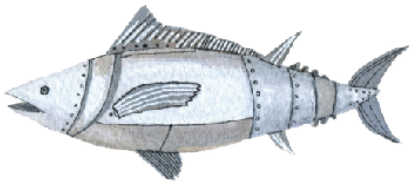
6. What happened that meant Lily was sent to Miss Scrimshaw's Academy? (page 17) **Lily's father had chosen to send her after she had frustrated a number of governesses**
7. What does the school motto Vincit Omnia Veritas, mean? (page 24) **truth conquers all**
8. Why is the stool in the coal bunker precarious? (page 26) **it was wonky because it has one rotten leg**



Inference

1. In what ways does the author make the silver airship seem dangerous? Give at least 2 examples from the text on pages 7 & 8. **it has sharp metal spikes stuck out from her hull, it fires a harpoon**
2. What do we find out about John's personality on page 9? Give at least 2 features of his character with evidence from the text. **He is brave, he stays in the ship to try and guide it down safely, He loves his daughter Lily, he asks Malkin to tell her, He is secretive, he want Lily not to tell anyone.**
3. What do you think the thin figure did to John at the end of the prologue? **He knocked John out because he feels pain and then everything goes black as if he is unconscious.**
4. How are the girls in Lily's deportment class made to seem different from Lily? Give examples from the text on pages 12 & 13. **The girls all have many books balanced on their heads in deportment, Lily can only just about manage 1. Lily is the only one who is reading, Lily thinks it because they can't do two things as one. The other girls have fancy hairstyles.**
5. Do you think Lily's Pa would like Miss Scrimshaw's Academy? Explain why using evidence from the text. **Lily's Pa would not like it because he sends the penny dreadfuls to Lily and he believes you should read a lot wider than deportment manuals to get an exceptional education, he would think many of the lessons at Miss Scrimshaw's pointless.**
6. How can you tell from Lily's conversation with Molly the mechanical maid, that Lily cares about mechanicals more than the other girls do? Give examples from pages 20 – 22.

Lily helps Molly with how to cover up the dyed sheets and helps her put them on. She also hands her a handkerchief when she is crying. Lily offers to write to the school board when Molly thinks she will be melted down. Lucretia grabs the sheets and throws them on the floor and calls her stupid. Lily calls Molly a friend and Lucretia laughs saying mechs aren't living.



7. How does the author make the coal bunker seem an unpleasant place? Look at page 26 for examples. It is dark, the coal is icy, something unknown crawls across her ankle and she hears faint scuttlings that could be earwigs, spiders, mice or rats. She sees a dismembered arm.

Guided reading Session Two - Chapter 2 & 3

Word analysis

1. On page 27 it says that the hulking engines of the airship chugged in unison. What does the word unison mean in this sentence?
 - a) making a deep noise
 - b) together
 - c) separately
 - d) aggressively
2. He skirted around a deep gully filled with rainwater (page 29). What does the word skirted mean?
3. On page 31, find the paragraph that starts 'He jumped a trickling stream...' Which word has the same meaning as next and joined to?
4. What word on page 34 tells us that Malkin is unable to walk well?
5. On page 36, Robert recognises the airship as a military model. What does the word military mean?
6. What does the man have sewn into the raw sockets of his eyes on page 40?



7. What two adjectives are used to describe the clock that Robert overwinds on page 44?
8. What word or phrase is used to describe how an animal has opened the shed door on page 46?

Fact retrieval

1. Why does Malkin curse the damp, boggy ground on page 28?
2. How many men does Malkin think there are following him on page 29? Why does he think this?
3. What makes Malkin feel queasy at the bottom of page 29?
4. What are the advantages of walking on field described at the top of page 32?
5. What are the disadvantages of walking on this same field?
6. What wakes Robert from his sleep at the beginning of chapter 3?
7. On page 36 we learn that Robert is very interested in airships. Can you find two pieces of evidence in the text to prove this?



Inference

1. On page 29 the men are described as descending from the airship like a swarm. What does this tell us?
2. Why does Malkin say the phrase 'thank tock' at the beginning of page 30? What do you think it means?
3. Would you describe Robert as adventurous? Can you use evidence from chapter 3 to back up your opinion?
4. Why is Robert surprised that the fox seemed to be reading the sign for his da's shop on page 37. What do we know as readers that explains this?
5. What evidence is there on page 38 that Robert loves the clock shop?

6. Robert finds a cog on page 38 that tells him to fox was clockwork. What else can you imply about the fox from the cog?



7. What does it mean when the text explains Thaddeus 'took on work for cost'? What might this tell us about the kind of man he is?

Deep thought

We find out in the last chapter that Robert's father, Thaddeus, is a horologist. His son, Robert wishes he would fix other mechanisms such as airships or mechanicals. If you were Thaddeus what would you like to be asked to fix? Be as imaginative as you like? Can you explain why you as Thaddeus would be so excited by this new project?

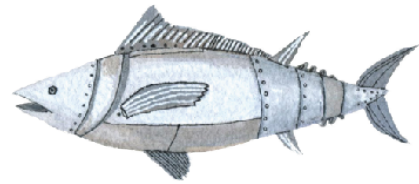
Session Two Answers

Word analysis

- On page 27 it says that the hulking engines of the airship chugged in unison. What does the word unison mean in this sentence? **together**
 - making a deep noise
 - together
 - separately
 - aggressively
- He skirted around a deep gully filled with rainwater (page 29). What does the word skirted mean? **to go around the edge of**
- On page 31, find the paragraph that starts 'He jumped a trickling stream...' Which word has the same meaning as next and joined to? **adjoining**
- What word on page 34 tells us that Malkin is unable to walk well? **hobbling**
- On page 36, Robert recognises the airship as a military model. What does the word military mean? **relating to soldiers or armed forces**

6. What does the man have sewn into the raw sockets of his eyes on page 40? **silver mirrors**
7. What two adjectives are used to describe the clock that Robert overwinds on page 44? **valuable, carriage**
8. What word or phrase is used to describe how an animal has opened the shed door on page 46? **gnawed with toothmarks**

Fact retrieval



1. Why does Malkin curse the damp, boggy ground on page 28? **he was leaving paw prints that could be easily tracked**
2. How many men does Malkin think there are following him on page 29? Why does he think this? **at least 5, he could see three lamps but he knew there would be another leading the dog and others carrying weapons**
3. What makes Malkin feel queasy at the bottom of page 29? **The thought that John had been burnt to death in the airship**
4. What are the advantages of walking on field described at the top of page 32? **frosted topsoil would leave no poor prints, fog would hide him**
5. What are the disadvantages of walking on this same field? **he could easily be seen on the open ground**
6. What wakes Robert from his sleep at the beginning of chapter 3? **a noise outside disturbed him**
7. On page 36 we learn that Robert is very interested in airships. Can you find two pieces of evidence in the text to prove this? **he knew every flight schedule by heart, whenever he wasn't working he visited the local air station, one day he'd vowed to go up there.**

Inference

1. On page 29 the men are described as descending from the airship like a swarm. What does this tell us? **there were lots of them because a swarm is a large, dense group**

2. Why does Malkin say the phrase 'thank tock' at the beginning of page 30? What do you think it means? **he says it to express his relief, a human might say thank goodness but he says thank tock because he is mechanised.**
3. Would you describe Robert as adventurous? Can you use evidence from chapter 3 to back up your opinion? **Yes, when he hears a noise outside he goes out to investigate, also even though the 4 men have a vicious mechdog and rifles, Robert still lies to protect the fox. No, although he wants to go up in an airship, he is scared of heights.**
4. Why is Robert surprised that the fox seemed to be reading the sign for his da's shop on page 37. What do we know as readers that explains this? **A fox is an animal and real animals cannot read. They find their way with scents and tracks not by reading signs. We know that Malkin is mechanical and he is on a mission to find Lily in this village.**
5. What evidence is there on page 38 that Robert loves the clock shop? **The shape and sound of each clock felt as comforting as old friends.**
6. Robert finds a cog on page 38 that tells him the fox was clockwork. What else can you imply about the fox from the cog? **The cog was misshapen and covered with warm engine oil which tells us that the fox is injured and the oil is like the blood. As it is warm, the fox cannot be too far ahead.**
7. What does it mean when the text explains Thaddeus 'took on work for cost'? What might this tell us about the kind of man he is? **This means that Thaddeus does not make any money, the payment is only for parts. This might show how generous Thaddeus is, that he is rich and doesn't need the money or that he just loves mending the mechanical objects.**

Guided reading Session Three - Chapter 4 & 5

Word analysis

1. Why are Lily's arms goose-fleshed on page 48?
2. On page 51, whilst Lily waits she wonders if they are in the office thinking of a new chastisement for her. Which



word has the same meaning as chastisement?

- a) homework
- b) exciting story
- c) name
- d) punishment

3. Miss Scrimshaw's office is described as expansive (page 53). What does this word tell you about the room?
4. When Lily and Madame Verdigris go to catch the airship, Lily's legs were buckling and her case felt heavy (page 58). What does the word buckling mean? Why does she feel like this?
5. On page 61, the mechanical porter doffs his hat at Lily. What does the word doff mean?
6. Lily is watching the man in her airship carriage on page 65. What word is used to describe that Lily is disgusted by the man?
7. On page 71, what word is used to describe Lily's untidy hair after she has fallen asleep?



Fact retrieval

1. What does Lily use to help her hear more clearly what is being discussed in the office on page 52?
2. What two things about Madame Verdigris, remind Lily of when her mother died on page 53?
3. What is the slogan of the Royal Dirigible Company? (page 57)
4. Where was the porter's brass plate? How is this linked to Lily? (pages 59 & 60)
5. On page 65, what word is used to describe the thin man who is half human half machine?
6. What two things on page 67 does Lily do to check if the man in her carriage is asleep?
7. How does Lily know Mr Roaches sweets have been in his pocket for weeks? (page 69)

Inference

1. At the start of Chapter 4, Lily thinks that no matter how hard her life gets, mechanicals had it worse. What happened to make her think this?
2. When Mrs McKraken opens the office door on page 52, her eyes bulge but then she smiles. Why do her eyes bulge and then why does she behave in the unusual way of a sympathetic smile?
3. Why does Madame Verdigris on page 56, suggest that they give Lily's clothes away to the poorhouse?
4. On page 58, Madame Verdigris says commuter zeps are most safe way to travel, not like private airships. Why do these words mean she has overstepped the mark?
5. Why, on page 68, does Lily grind her teeth, when Madame Verdigris introduces her as Lily Hartman to Mr Roach?
6. How does Madame Verdigris act when Lily asks her how Mr Roach knew her first name? Why do you think she acts this way?



Deep thought

Mrs Rust loves using exciting exclamations with a mechanical feel, such as “Cog-wheels and coat hangers!” and “Stopwatches and spinning tops!” Can you find any others in Chapter 5? Can you think of any of your own using mechanical parts?



Session Three - Answers

Word analysis

1. Why are Lily's arms goose-fleshed on page 48? **the coal bunker was freezer, Lily was cold**



2. On page 51, whilst Lily waits she wonders if they are in the office thinking of a new chastisement for her. Which word has the same meaning as chastisement? **punishment**

- a) homework c) name
b) exciting story d) punishment

3. Miss Scrimshaw's office is described as expansive (page 53). What does this word tell you about the room? **the room is very large**

4. When Lily and Madame Verdigris go to catch the airship, Lily's legs were buckling and her case felt heavy (page 58). What does the word buckling mean? Why does she feel like this? **Lily's legs gave way because she is fearful of taking the zep, it is probably triggering sad thoughts about her father's airship accident.**
5. On page 61, the mechanical porter doffs his hat at Lily. What does the word doff mean? **he raised his hat as a respectful greeting.**
6. Lily is watching the man in her airship carriage on page 65. What word is used to describe that Lily is disgusted by the man? **revulsion**
7. On page 71, what word is used to describe Lily's untidy hair after she has fallen asleep? **tousled hair**

Fact retrieval

1. What does Lily use to help her hear more clearly what is being discussed in the office on page 52? **a vase**
2. What two things about Madame Verdigris, remind Lily of when her mother died on page 53? **her black clothes and her concern**
3. What is the slogan of the Royal Dirigible Company? (page 57) **travel that's lighter than air**
4. Where was the porter's brass plate? How is this linked to Lily? (page 59 & 60) **one on his head and one on his forearm. He was made by Lily's father, John Hartman**
5. On page 65, what word is used to describe the thin man who is half human half machine? **hybrid**



6. What two things on page 67 does Lily do to check if the man in her carriage is asleep? **she coughed and then stuck her tongue out**

7. How does Lily know Mr Roaches sweets have been in his pocket for weeks? (page 69) **they were gooey and stuck (fused) to the paper bag**

Inference

1. At the start of Chapter 4, Lily thinks that no matter how hard her life gets, mechanicals had it worse. What happened to make her think this? **an unwanted mechanical had been chopped up and thrown into the coal bunker**
2. When Mrs McKraken opens the office door on page 52, her eyes bulge but then she smiles. Why do her eyes bulge and then why does she behave in the unusual way of a sympathetic smile? **her eyes bulge because she is cross that Lily is putting the vase to the wall to hear what they are discussing but then she smiles sympathetically because Lily is about to find out her Father is missing, presumed dead**
3. Why does Madame Verdigris on page 56, suggest that they give Lily's clothes away to the poorhouse? **they might be expensive to send on and the girls at the school would not want them**
4. On page 58, Madame Verdigris says commuter zeps are most safe way to travel, not like private airships. Why do these words mean she has overstepped the mark? **Lily's Father may well be dead after an accident in his private airship and this shows she did not consider Lily's feelings.**
5. Why, on page 68, does Lily grind her teeth, when Madame Verdigris introduces her as Lily Hartman to Mr Roach? **Madame Verdigris has just told Lily not to introduce herself to anyone.**
6. How does Madame Verdigris act when Lily asks her how Mr Roach knew her first name? Why do you think she acts this way? **she laughed and says Lily must have misheard. She does this because she does not want Lily to know that she already knows Mr Roach**

Guided reading Session Four - Chapter 6 & 7



Word analysis

1. At the beginning of chapter 6, when Robert looks at the fox's injury he sees the '...parts had fused together in a lump.' What does the word fused mean here?
2. On page 85, Roberts da says if there aren't enough cogs and springs, they can filch them from other clocks. Which word has the closest meaning to filch?
 - a) steal
 - b) open
 - c) digest
 - d) upside-down
3. On page 89, Thaddeus ruffles his son's hair with a calloused hand. What does this mean and why are his hands calloused?
4. On page 93, what word is used to describe how Mr Wingnut and Miss Tock will have their metal bodies destroyed?
5. What phrase does Professor Silverfish (page 98) use to describe when Lily requires him most?
6. On page 103, Mr Sunder polishes his glasses vigorously. What does the word vigorously mean?

Fact retrieval

1. On page 83, Thaddeus suggest two reasons why Lily's father might have sent her to boarding school. What are they?
2. What does Thaddeus say on page 84 is needed to win great battles?
3. On page 86 what does Robert fear?
4. What signal does Madame Verdigris give on page 99 to indicate they are ready to discuss with the lawyer what will happen to Lily?
5. What are mechanicals not allowed to be in charge



of according to Mr Sunder the lawyer on page 102?

6. Where does Professor Silverfish live?

Inference

1. In what ways do we find on page 83 that Lily and Robert's upbringing are similar? Can you give two ways with examples?
2. On page 88 Robert's eyes widen after his Father tells him what he did at Brackenbridge Manor. How does Robert feel about what he has just heard?
3. What does the fact that Robert and his father work till 3am mending the fox, mean about how they feel?
4. What does Lily mean on page 95 when she says about Mrs Rust and Madame Verdigris 'if you had to guess which of the two had feelings, Lily knew who she'd choose.'
5. What clues can you give that show Lily is pleased to see her godfather, Professor Silverfish? Pages 97-98
6. On page 100, Mr Sunder gives an embarrassed cough. Can you explain why he might feel this way using evidence from the text?

Deep thought

We meet lots of different characters in the book – including mechanical characters, such as Mr Wingnut and Mrs Rust. Thaddeus explains that: “one thing I do know is this...feelings and intuition, love and compassion, those are the things make a soul, not blood and bones or machine parts.” Thinking about the characters in the book, discuss what you think this quotation means with a friend. Do you think these mechanicals have feelings?



Session Four - Answers

Word analysis

1. At the beginning of chapter 6, when Robert looks at the fox's injury he sees the '...parts had fused together in a lump.' What does the word fused mean here? **joined**
2. On page 85, Roberts da says if there aren't enough cogs and springs, they can filch them from other clocks. Which word has the closest meaning to filch? **steal**
 - a) steal
 - b) open
 - c) digest
 - d) upside-down
3. On page 89, Thaddeus ruffles his son's hair with a calloused hand. What does this mean and why are his hands calloused? **an area of hardened skin because he works with his hands all the time**
4. On page 93, what word is used to describe how Mr Wingnut and Miss Tock will have their metal bodies destroyed? **corrode**
5. What phrase does Professor Silverfish (page 98) use to describe when Lily requires him most? **your hour of need**
6. On page 103, Mr Sunder polishes his glasses vigorously. What does the word vigorously mean? **with strength, effort or energy**



Fact retrieval

1. On page 83, Thaddeus suggest two reasons why Lily's father might have sent her to boarding school. What are they? **because he was overprotective, because her mother had died**
2. What does Thaddeus say on page 84 is needed to win great battles? **a brave heart**
3. On page 86 what does Robert fear? **doing something clumsy**

4. What signal does Madame Verdigris give on page 99 to indicate they are ready to discuss with the lawyer what will happen to Lily? **a discreet cough**
5. What are mechanicals not allowed to be in charge of according to Mr Sunder the lawyer on page 102? **a steam vehicle, an airship or indeed a child**
6. Where does Professor Silverfish live? **9 Riverside Walk, Chelsea**

Inference

1. In what ways do we find on page 83 that Lily and Robert's upbringing are similar? Can you give two ways with examples? **Both had grown up without a Mother, Lily's had died and Robert's Ma had gone off somewhere. Both families had secrets of some kind. Thaddeus says Lily's father is overprotective and yet he won't tell Robert what happened to his own Mother.**
2. On page 88 Robert's eyes widen after his Father tells him what he did at Brackenbridge Manor. How does Robert feel about what he has just heard? **Robert is surprised and impressed that he father had helped fix mechanicals and Brackenbridge. He is also disappointed that his father did not tell him.**
3. What does the fact that Robert and his father work till 3am mending the fox, mean about how they feel? **They are set on getting it finished because they are intrigued by the fox and how he arrived at the shop. Thaddeus might be interested in the complexities of the mechanical fox. They know the fox has a letter for Lily, they think it must be important**
4. What does Lily mean on page 95 when she says about Mrs Rust and Madame Verdigris 'if you had to guess which of the two had feelings, Lily knew who she'd choose.' **Mrs Rust had empathy with Lily's situation, she was warm-hearted and understanding. Madame Verdigris was non of these things**
5. What clues can you give that show Lily is pleased to see her godfather, Professor Silverfish? Pages 97-98 **when she first saw him she broke**



into a broad smile, she looks horrified when she sees his metal heart and finds out that he has been unwell.

6. On page 100, Mr Sunder gives an embarrassed cough. Can you explain why he might feel this way using evidence from the text? **he is embarrassed that Madame Verdigris is rushing him, he cannot do his job properly and she is being insensitive to Lily's pain.**

Guided reading Session Five - Chapter 8 & 9



Word analysis

1. On page 109, the thin man thrusts his cane into the umbrella stand. What does this tell you about how he did it?
2. On page 112 the canary is described as being an unrepairable mess. Which phrase best describes Mrs Chivers' mechanical bird?
 - a) has lost all its feathers
 - b) unfixable jumble
 - c) would be difficult to mend
 - d) upset and dangerous
3. Look at the paragraph that starts, after a while there was a low sound... on page 114. What word has the same meaning as the word echoed?
4. On page 117, the fox is described as lapsing in silent contemplation. What word is the best antonym for contemplation?
 - a) forget
 - b) sleep
 - c) search
 - d) chase
5. On page 123, in the paragraph that starts, 'As you prefer,'... Which word is a synonym for lopsided?
6. At the end on the same page, Madame Verdigris tells Lily that she is no longer a young lady of means. What does this phrase mean?



Fact retrieval

1. What time was it when Robert lit the lamp because the light was fading on page 109
2. The thin man has entered the clockmaker's shop, what stopped Robert from hearing him? (page 109)
3. On page 113, what reason does Robert give his father to explain the destroyed mechanical canary?
4. What reason does Malkin give Robert on page 117 that explains why he has been so grumpy and rude?
5. On page 121, why were the mechanicals gradually disappearing?
6. On page 124, Madame explains a mistake that Mrs Rust made. What did she do?



Inference

1. When on page 109, Mr Roach enters the clockmaker's shop, why do you think his colleague, Mr Mould stays outside?
2. How is Robert feeling when he swallows the prickly dryness at the back of his throat on page 112?
3. Does the mechanical fox react in the way Robert expects when he winds him up on pages 114 & 115? Use evidence from the text to explain why.
4. Malkin is unsure of the message that John has asked him to give Lily. Can you explain the difference in meaning between the two messages on page 119?
5. On Page 124, Madame Verdigris describes Mrs Rush pouring oil into her soup? Do you believe her? Why?
6. What do you think is in the polished rosewood box? Why do you think this?

Deep thought

Even though Malkin, the mechanical fox, is grumpy and sarcastic, he is still a brilliant friend. If you could have any mechanical animal, what would it be and why?

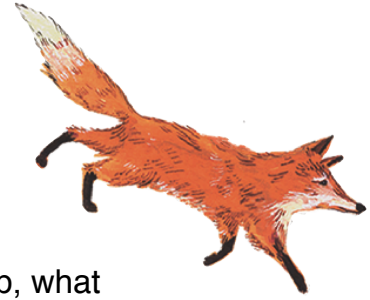
Session Five - Answers

Word analysis

1. On page 109, the thin man thrusts his cane into the umbrella stand. What does this tell you about how he did it? **He put his cane in aggressively.**
2. On page 112 the canary is described as being an unrepairable mess. Which phrase best describes Mrs Chivers' mechanical bird?
b) unfixable jumble
 - a) has lost all its feathers
 - b) unfixable jumble
 - c) would be difficult to mend
 - d) upset and dangerous
3. Look at the paragraph that starts, after a while there was a low sound... on page 114. What word has the same meaning as the word echoed? **reverberated**
4. On page 117, the fox is described as lapsing in silent contemplation. What word is the best antonym for contemplation? **forget**
 - a) forget
 - b) sleep
 - c) search
 - d) chase
5. On page 123, in the paragraph that starts, 'As you prefer,'... Which word is a synonym for lopsided? **unevenly**
6. At the end on the same page, Madame Verdigris tells Lily that she is no longer a young lady of means. What does this phrase mean?
well off or rich



Fact retrieval



1. What time was it when Robert lit the lamp because the light was fading on page 109
4pm
2. The thin man has entered the clockmaker's shop, what stopped Robert from hearing him? (page 109) **the chime of the clocks**
3. On page 113, what reason does Robert give his father to explain the destroyed mechanical canary? **he'd dropped the thing**
4. What reason does Malkin give Robert on page 117 that explains why he has been so grumpy and rude? **this injury's given me the jitters**
5. On page 121, why were the mechanicals gradually disappearing?
they are hidden under the frosty white surface- it is snowing
6. On page 124, Madame explains a mistake that Mrs Rust made. What did she do?
poured engine oil in her soup instead of cream

Inference

1. When on page 109, Mr Roach enters the clockmaker's shop, why do you think his colleague, Mr Mould stays outside? **He is making sure Mr Roach and Robert are not disturbed, that no one else is around.**
2. How is Robert feeling when he swallows the prickly dryness at the back of his throat on page 112? **Robert is frightened of Mr Roach and what he will do to Robert if he finds out he has lied to him about Malkin the mechanical fox.**
3. Does the mechanical fox react in the way Robert expects when he winds him up on pages 114 & 115? Use evidence from the text to explain why. **Malkin growls whereas Robert flashes him a smile. Robert expects he will be grateful or at least pleased that he and his father have brought him back to 'life'.**

4. Malkin is unsure of the message that John has asked him to give Lily. Can you explain the difference in meaning between the two messages on page 119? **The secret is in the safe will tell Lily exactly where to find it – safe is used as a noun. This secret is safe tells Lily the secret has not yet been found but not where it is. Safe is used as an adjective.**
5. On Page 124, Madame Verdigris describes Mrs Rust pouring oil into her soup? Do you believe her? Why? **Yes- Mrs Rust is more than a simple mechanical and it capable of disliking Madame Verdigris and wanting to poison her. No- Madame Verdigris is lying to make Lily believe Mrs Rust is dangerous. In the story we heard, no mech is capable of harming a human.**
6. What do you think is in the polished rosewood box on page 127? Why do you think this? **Something very precious – the box is polished and the wood sounds rare and maybe expensive. Her father says it is an invention to keep secret. Maybe the way to make mechanicals just like humans.**

Guided reading Session Six - Chapter 10 & 11

Word analysis

1. In the telegram on page 131 the machine is described as a perpetual motion machine. Which has the closest meaning to perpetual motion?
 - a) always driving
 - b) sometimes running
 - c) keep ticking
 - d) continually moving
2. On page 132 Lily tries to summon her Mama to mind. What does the word summon mean in this phrase?
3. On page 135, what phrase tells us that for a moment Lily cannot see the men from the window?
4. In the last paragraph of chapter 10, Robert is described as having heavy frowning brows. What does the word frowning tell us?
5. What does the phrase friend or foe mean? Lily asks Robert this at the beginning of chapter 11.

6. On page 147 the trellis is described as ivy-encrusted. What does the word encrusted mean? Can you use it appropriately in a different sentence?

Fact retrieval

1. What has happened to all four of Lily's family's mechanicals on page 136?
2. What stops Lily from punching the wall paper in her room on page 140?
3. What word is used to show that Roach and Mould are part human and part machine? Look at page 146.
4. What does Lily remember just before she hides in her wardrobe with Robert on page 149?
5. What is the first thing that Robert does when Madame Verdigris opens the wardrobe on page 148?
6. On page 156 how does Robert cover up his mistake mentioning the girl?



Inference

1. On page 137, how does Lily know that what happened the night before was real and not a dream?
2. Why does Madame look hot and flustered on page 138?
3. Lily doesn't know at the end of chapter 10 who the boy on the drive is or whether he would help her. Why do you think she whistles to him anyway?
4. What makes the tips of Robert's ears burn on page 144? What has he done that is so stupid?
5. On page 147 Lily and Robert get through the house using the disguised door to the narrow servant's staircase. Why is the secret door there?
6. On page 151 Lily decides to trust Robert. Can you use evidence from the text to explain why you would or would not trust Robert?

Deep thought

Mrs Rust loves using exciting exclamations with a mechanical feel, such as “Cog-wheels and coat hangers!” and “Stopwatches and spinning tops!” Can you think of any of your own?

Session Six - Answers



Word analysis

1. In the telegram on page 131 the machine is described as a perpetual motion machine. Which has the closest meaning to perpetual motion? **d) continually moving**
 - a) always driving
 - b) sometimes running
 - c) keep ticking
 - d) continually moving
2. On page 132 Lily tries to summon her Mama to mind. What does the word summon mean in this phrase? **bring her to mind or recall her**
3. On page 135, what phrase tells us that for a moment Lily cannot see the men from the window? **rendered momentarily invisible**
4. In the last paragraph of chapter 10, Robert is described as having heavy frowning brows. What does the word frowning tell us? **Frowning brows tell us he is concentrating or disapproval. We know he is trying to find Lily's house.**
5. What does the phrase friend or foe mean? Lily asks Robert this at the beginning of chapter 11. **Are you someone to be trusted or not?**
6. On page 147 the trellis is described as ivy-encrusted. What does the word encrusted mean? Can you use it appropriately in a different sentence?

Fact retrieval

1. What has happened to all four of Lily's family's mechanicals on page 136? **thrown into the baggage compartment (boot) or the car**
2. What stops Lily from repeatedly punching the wall paper in her room on page 140? **She does it once and it makes her fist ache and her fingers numb**

3. What word is used to show that Roach and Mould are part human and part machine? Look at page 146. **hybrid**
4. What does Lily remember just before she hides in her wardrobe with Robert on page 149? **Professor Silverfish's card**
5. What is the first thing that Robert does when Madame Verdigris opens the wardrobe on page 150? **sneezes**
6. On page 156 how does Robert cover up his mistake mentioning the girl? **Firstly he says that Mr Mould had said girl first and then he says he must have misheard 'soul' as girl.**

Inference

1. On page 137, how does Lily know that what happened the night before was real and not a dream? **When she goes down to the kitchen and it is cold and bare, she know Mrs Rust has gone for real and that she did not dream that she was put into the car in the night.**
2. Why does Madame look hot and flustered on page 138? **Madame Verdigris has been searching Lily's room and Lily has caught her. The red and flustered look is a guilty one.**
3. Lily doesn't know at the end of chapter 10 who the boy on the drive is or whether he would help her. Why do you think she whistles to him anyway? **Lily has not got a lot to lose, everything she loves has gone- her Mother, her Father, the mechanicals- so she takes a risk.**
4. What makes the tips of Robert's ears burn on page 144? What has he done that is so stupid? **Robert is embarrassed and blushes all the way to the tips of his ears. He should not have mentioned her father as he is missing presumed dead. Robert knows he has been insensitive.**
5. On page 147 Lily and Robert get through the house using the disguised door to the narrow servant's staircase. Why is the secret door there? **Her father is likely to have installed it as his work on mechanicals was highly secret and desired by others.**
6. On page 151 Lily decides to trust Robert. Can you use evidence from the text to explain why you would or would not trust Robert? **Robert has come to the house with a message about Malkin who she knows she can trust. He has been frightened of Madame Verdigris when they hide in the wardrobe and he knows Roach and Mould are bad news.**

Robert seems to have common enemies with Lily. The proverb is 'the enemy of my enemy is my friend'

Cogheart Vocabulary

On her website teacher Jen Willis suggests using vocabulary from Cogheart in your daily word sessions with year 5 class:

<https://perpetuallylearningsite.wordpress.com/2017/08/18/cogheart-english-ops/>



“I was keen to read Cogheart not only with writing ideas in mind, but also explicit opportunities for vocabulary instruction. This means knowing exactly which rich words would be arising in order to explore and exploit them. I therefore noted any unusual, interesting or challenging words that would add to a typical Year Five’s vocabulary. Bunzl provided an abundance of descriptive gems to choose from! I intend to use these in daily word sessions – it just makes sense to choose words that the children will then hear later that day in our daily reading!

Obviously, I won’t use all of the words and some may not be suitable for your class – but I thought including the list here may be worthwhile to provide choice and suggestions. You will also note that some of the words are duplicated and this was deliberate – revisiting and hearing vocabulary in different contexts is essential.”

Prologue: bristled juddered tarnished silhouetted

Chp 1: poised dubious precarious putrid sneer haughty dismembered

Chp 2: murky fiendish derelict ferociously

Chp 3: resembled perilously vague irrespective nimble strewn

Chp 4: miscreants exuberant trundle expansive obscured melodious sprawling

Chp 5: hybrid revulsion primitive fused ungraspable skeletal pondered

Chp 6: fused prising furrowed juddered

Chp 7: corrode brimmed contraption muffling

Chp 8: traipsed silhouetted involuntarily incensed mangy

Chp 9: Dawdling scant lingered

Chp 10: erratically fragment

Chp 11: acrid encrusted beckoning sauntered distorted divulge

Chp 12: brim vagabond

Chp 13: groggily nimble engulf frantic apex protruding

Chp 14: stealth derelict copse seeped

Chp 15: ominously gnawed scant

Chp 16: distinct assertive juddered ravenously

Chp 17: loomed taut interior pursuers extinguished derelict hubbub dithering

Chp 18: encrusted slunk distaste ushering dour overwhelmingly dredged

Chp 19: tarnish fractured anguished embedded exasperated obscured

Chp 20: subterranean clinically motley-looking lurched flanked lolling calcified

Chp 21: jostled crevice slaloming tethered

Chp 22: winced lolled fragment

Chp 23: suffuse tessellating persistent functioning skewing abyss flailing shards rallied
inquisitive prestigious veritable

Chp 24: accustomed flailing writhed careened debris juddering fumbled

Chp 25: pulsed hunkered myriad gargantuan teetering abyss nimbly lolloped haltingly

Ch 26: incongruous reverie grudgingly morbid slathered pristine resonant burden

