

Titel:

Fake or fact – Science

Författare:

David Gaboriau

Dit namn:



Before Reading

Look at the cover and the title.

Discuss:

1. What do you think science is?
2. Which science topic interests you the most?
3. Do you think all science facts are true?
4. What do you think might be the strangest fact in this book?

During Reading

After each section, discuss:

1. Was the statement Fact or Fake?
2. What new information did you learn?
3. Which fact surprised you the most?
4. Which topic would you like to learn more about?

Reading Questions

Section 1 – Pages 4–24

1. Which part of their body do mosquitoes use to taste?
-

2. How loud did scientists record the lesser bulldog bat's squeaks?
-

3. What are graphite and diamonds both made from?

4. About how many bones are humans born with?

5. Why does the sky appear blue?

6. What happens when acids and alkalis react together?

7. What do frogs do with their stomach when they are sick?

8. What do scientists use nail varnish for in a laboratory?

9. How do ants breathe?

10. What can happen to light when it passes through materials such as water or glass?

Section 2 – Pages 25–44

11. What special type of liquid is custard?

12. Roughly how many bacteria cells are found in the human body?

13. Name one way that plants can defend themselves.

14. Which colours can bees see?

15. What is Vantablack designed to do with light?

16. What is special about some animals such as the anglerfish?

17. What helps giraffes avoid fainting when they bend down to drink?

18. What are water bears also called?

19. Why are bananas slightly radioactive?

20. Which parts of the body continue growing throughout life?

Section 3 – Pages 45–64

21. Why do touchscreen phones respond to your fingers?

22. Why can sausages be used on touchscreens?

23. Where do eels begin their lives?

24. About how many "little eyes" can a dragonfly eye contain?

25. What produces the different colours in fireworks?

26. What is most of human poo made of?

27. What were French scientists trying to understand in their cheese experiment?

28. What is a kelvin used to measure?

29. What causes scurvy?

30. Why can crocodiles not stick out their tongues?

Section 4 – Pages 65–104

31. Which animal mentioned in the book has much more DNA than humans?

32. Why were some scientists worried about the Large Hadron Collider?

33. What gives the Earth its magnetic field?

34. How long can some plant seeds survive?

35. What do leafcutter ants farm?

36. What does the zombie-ant fungus do to ants?

37. What does the word LASER stand for?

38. What can scientists use bacteria to make?

39. What can people see in a simple DNA experiment?

40. What type of light can humans see?

41. Approximately how long are all the blood vessels in the human body?

42. Why do some scientists feed mosquitoes with their own blood?

43. What tiny creatures live in human eyelids?

44. Which animals besides humans have fingerprints?

45. Why was a molecule named penguinone?

46. Why are clouds not weightless?

47. Why can flour become explosive?

48. What musical instrument did scientists prove could help reduce snoring?

Activity 1 – Fact or Maybe Not?

Write Fact or Fake.

1. Mosquitoes cannot taste anything.

2. Frogs may vomit up their whole stomach.

3. Ants have lungs.

4. Plants cannot defend themselves.

5. Water bears can survive in space.

6. Your eyes never stop growing.

7. Eels reproduce by splitting in half.

8. Clouds are weightless.

Activity 2 – Science Word Match

Match the word to its meaning.

word	meaning
1. atmosphere	a. tiny holes used by some insects to breathe
2. carbon	b. a chemical element found in graphite and diamonds
3. spiracles	c. living things too small to see without a microscope
4. bacteria	d. the gases surrounding the Earth
5. bioluminescence	e. light produced by a living organism

Activity 3 – My Favourite Science Fact

Complete the sentences.

My favourite fact from the book was _____

I found it interesting because _____

It surprised me because _____