

Titel:

Underwater Facts



Comprehension Questions

Totally Extreme Underwater

1. About 71 percent of the Earth is covered in water.
2. A whole world of amazing and extreme things can be found underwater.
3. The underwater world is described as surprising, shocking and extreme.

Extreme Diving

4. SCUBA stands for Self-Contained Underwater Breathing Apparatus.
5. The world's deepest dive was 332.35 metres.
6. The emperor penguin.
7. The longest scuba dive lasted 145 hours and 25 minutes.

Extreme Underwater Inventions

8. One of the first working underwater suits was invented in 1715.
9. Air was fed through a tube to the suit.
10. A diving bell was a wooden bell-shaped device that trapped air underwater.
11. The Necker Nymph is the first underwater plane.

Underwater Treasure

12. It is thought that there is over £47 billion in treasure at the bottom of the ocean.

- 13.** The most valuable underwater treasure found was worth around £314 million.
- 14.** Treasure hunters are still searching for the wreck of the Flor de la Mar.
- 15.** It is thought to contain treasure worth over £2 billion.

Extreme Underwater Animals

- 16.** The blue whale.
- 17.** It can turn itself back into a baby and start its life cycle again.
- 18.** A living coelacanth was discovered in 1938.
- 19.** Ten lightbulbs.
- 20.** Cuvier's beaked whale.
- 21.** A live giant squid was filmed for the first time in 2012.

Extreme Pressure

- 22.** Pressure is the weight of the water pressing on you.
- 23.** It is compared to the weight of 48 jumbo jets balanced on your head.
- 24.** The book says it will do some strange things to the inside of your body.

The Mariana Trench

- 25.** The Mariana Trench is the deepest place on Earth.
- 26.** The deepest part of the trench is called the Challenger Deep.
- 27.** It is 11,034 metres deep.
- 28.** The peak of Mount Everest would still be 2,133 metres below the water's surface.

Underwater Sound

- 29.** Sound travels better through water.
- 30.** Sound travels four times faster underwater than through air.
- 31.** A blue whale's song can reach 180 decibels.
- 32.** The mysterious sound was called the Bloop.

Underwater Volcanoes

- 33. There are over one million underwater volcanoes.
- 34. Volcanic glass is called obsidian.
- 35. The Hawaiian Islands were formed by underwater volcanoes.
- 36. The water pressure is too high for the water to boil.

Underwater Exploration

- 37. Less than five percent of the Earth's oceans have been explored.
- 38. SONAR stands for Sound Navigation and Ranging.
- 39. The ocean floor is mapped using sound.
- 40. Scientists bounce sound off the ocean floor.

The Ocean Zones

- 41. There are five ocean zones.
- 42. The sunlight zone extends from the surface to 200 metres deep.
- 43. There are almost no plants because there is almost no visible light.
- 44. Many animals in the midnight zone glow in the dark.
- 45. The deepest ocean zone is called the hadal zone.
- 46. The hadal zone is home to over 400 known species.

Activity 2 – Match the Word

- 1 – d
- 2 – e
- 3 – c
- 4 – b
- 5 – a

Lärarstöd

Centrala teman i boken

- Oceans and underwater environments
- Diving and underwater technology
- Underwater animals
- The Mariana Trench
- Underwater sound
- Underwater volcanoes
- Ocean exploration
- Ocean zones

Förslag på diskussionsfrågor

- Which underwater fact surprised you the most?
- Which underwater animal did you find most interesting?
- Would you like to explore the Mariana Trench? Why or why not?
- What do you think scientists will discover in the oceans in the future?
- Which chapter was your favourite and why?

Förslag på fördjupning

Choose one chapter from the book and create a fact file.

Include:

- a title
- three facts from the chapter
- one illustration
- one question for the reader