

A Million Whys Book 1: Science Quiz

The Great Expedition for Curious Kids, by Crafty Clover. Ages 7 to 11.

Name: _____ Date: _____ Score: _____ / 14

Circle the best answer.

1. What is the science word for goosebumps?

- ☐ a) Piloerection ☐ b) Borborygmi ☐ c) Hiccups

2. About how many times does your heart beat every day?

- ☐ a) About 1,000 ☐ b) About 100,000 ☐ c) About 10 million

3. Most kids have about how many baby teeth?

- ☐ a) 10 ☐ b) 20 ☐ c) 32

4. What is the science name for a growling stomach?

- ☐ a) Borborygmi ☐ b) Piloerection ☐ c) Frisson

5. Octopuses have blue blood because their blood uses which metal instead of iron?

- ☐ a) Gold ☐ b) Copper ☐ c) Silver

6. Why is the sky blue?

- ☐ a) The ocean reflects onto the sky ☐ b) Air scatters blue sunlight more than other colors
☐ c) Space is blue

7. You see lightning, then count the seconds until the thunder. To guess how far away the storm is in kilometers, divide by...

- ☐ a) 3 ☐ b) 10 ☐ c) 100

8. Why do astronauts float on the space station?

- ☐ a) There is no gravity in space ☐ b) They are falling around Earth together with the station
☐ c) Their suits are full of air

9. Why is Mars red?

- ☐ a) Its rocks and dust are rusty ☐ b) It is covered in red plants ☐ c) It is very hot

10. Saturn's rings are made mostly of...

- ☐ a) Gas ☐ b) Sand ☐ c) Water ice with some rock

11. A light-year is a measure of...

- ☐ a) Time ☐ b) Distance ☐ c) Brightness

12. Why does ice float on water?

- ☐ a) Frozen water makes a roomy crystal, so ice is less dense ☐ b) Ice is full of air bubbles
☐ c) Cold things always float

13. Where does the water on the outside of a cold glass come from?

- ☐ a) It leaks through the glass ☐ b) Water vapor in the air ☐ c) The ice melts through

14. Baking soda and vinegar fizz because they make bubbles of...

- ☐ a) Carbon dioxide ☐ b) Oxygen ☐ c) Steam

Answer key

1. **a) Piloerection** (Book 1, Question 1: Why Do We Get Goosebumps? Tiny Muscles, Big Bumps!)
2. **b) About 100,000** (Book 1, Question 2: Why Does Your Heart Keep Beating While You Sleep?)
3. **b) 20** (Book 1, Question 8: Why Do We Have Baby Teeth? A Starter Set for Your Smile!)
4. **a) Borborygmi** (Book 1, Question 9: Why Does Your Stomach Growl? The Rumbly Science!)
5. **b) Copper** (Book 1, Question 12: Why Is Blood Red? The Iron and Oxygen Secret!)
6. **b) Air scatters blue sunlight more than other colors** (Book 1, Question 51: Why Is the Sky Blue? A Trick Light Plays in the Air!)
7. **a) 3** (Book 1, Question 55: Why Does Thunder Follow Lightning? Light Wins the Race!)
8. **b) They are falling around Earth together with the station** (Book 1, Question 83: Why Do Astronauts Float? They're Falling Around Earth!)
9. **a) Its rocks and dust are rusty** (Book 1, Question 85: Why Is Mars Rusty Red? Iron, Oxygen and Dust!)
10. **c) Water ice with some rock** (Book 1, Question 86: Why Does Saturn Have Rings? Ice, Rock and Gravity!)
11. **b) Distance** (Book 1, Question 95: What Is a Light-Year? It's Distance, Not Time!)
12. **a) Frozen water makes a roomy crystal, so ice is less dense** (Book 1, Question 127: Why Does Ice Float? Water's Roomy Crystals!)
13. **b) Water vapor in the air** (Book 1, Question 137: Why Do Cold Glasses Get Wet? The Water Comes From the Air!)
14. **a) Carbon dioxide** (Book 1, Question 146: Why Does Baking Soda Fizz? A Base Meets an Acid!)

Each answer comes from the page named in brackets. Watch the videos and read the answers at xdme.com. Book 1 is on Amazon: amazon.com/dp/B0HLF21S14