



# DR. MOLLIE CULE REBOOTS THE ROBOT

Dr. Mollie Cule is on a mission to reassemble Axel the robot! Complete with step-by-step instructions, this book is full of amazing science activities you can do at home.

## What did you learn?

### QUESTIONS

1. Mollie Cule is a . . .
  - a. Dentist
  - b. Botanist
  - c. Gymnast
  - d. Scientist
2. Earth's shell consists of . . .
  - a. Rock
  - b. Land
  - c. Plates
  - d. Magma
3. The most damaging tornadoes are called . . .
  - a. Supercells
  - b. Spinners
  - c. Thunderstorms
  - d. Twistercells
4. Air is lighter than . . .
  - a. Helium
  - b. Water
  - c. Hydrogen
  - d. Gas
5. What is the name of Mollie Cule's pet cat?
6. What is the name of Mollie Cule's grandfather?

### TRUE OR FALSE?

- |  |   |
|--|---|
| _____ 1. The asthenosphere is part of the Earth's atmosphere.    | _____ 4. Scientists used ATV's to study supercell storms. |
| _____ 2. Lava from a volcanic eruption can be 1200 °C (2544 °F). | _____ 5. Anemometers are usually placed outside.          |
| _____ 3. Earth's gravity pulls you back down to the ground.      | _____ 6. Air pressure causes changes to the weather.      |



## ANSWERS

- 1. d. Scientist.** According to section "Meet Mollie" on page 6, we know that "Dr. Mollie Cule is a scientist who enjoys learning about all different types of science!" So, the correct answer is D.
- 2. c. Plates.** According to section "Volcano eruption" on page 16, we know that "Earth's shell consists of many pieces called plates." So, the correct answer is C.
- 3. a. Supercells.** According to section "Tornado in a bottle" on page 28, we know that "The most damaging tornadoes occur in powerful thunderstorms called supercells." So, the correct answer is A.
- 4. b. Water.** According to section "How does air push?" on page 38, we know that "Air is much lighter than water ... " So, the correct answer is B.
- 5.** According to page 6, Mollie Cule's pet cat is called Feline.
- 6.** According to page 20, Mollie Cule's grandfather is called Doc U. Ment.

## TRUE OR FALSE? ANSWERS

- 1. False.** According to section "S'mores plate tectonics" on page 9, we know that "The asthenosphere is part of Earth's mantle, which lies beneath the planet's solid crust." So, the correct answer is False.
- 2. True.** According to section "Volcano eruption" on page 18, we know that "Lava from a volcanic eruption can be up to 12 times hotter than boiling water. That's 1200 °C (2544 °F)!" So, the correct answer is True.
- 3. True.** According to section "Create artificial gravity" on page 24, we know that "Earth's gravity pulls you back down to the ground." So, the correct answer is True.
- 4. False.** According to section "Tornado in a bottle" on page 31, we know that "Scientists use unmanned aerial vehicles (UAV's) to study supercell storms and tornadoes." So, the correct answer is False.
- 5. True.** According to section "Create an anemometer" on page 34, we know that "Anemometers are usually placed outdoors so they can measure the speed of the wind as it whips by." So, the correct answer is True.
- 6. True.** According to section "How does air push?" on page 41, we know that "Air pressure can cause many changes to the weather." So, the correct answer is True.