

Science Fables

The Matter Mystery

Story Quiz

This quiz follows Nia and Caleb as they discover what matter is and how solids, liquids, and gases behave.

1. What is matter?

- A. Anything that gives off light
- B. Anything that has mass and takes up space
- C. Only things that can be seen
- D. Only solids and liquids

2. Which property describes a solid?

- A. It spreads out to fill all available space
- B. It takes the shape of its container
- C. It keeps its own shape
- D. It has no mass

3. What happens when water is poured from a tall glass into a short cup?

- A. It keeps the shape of the tall glass
- B. It takes the shape of the short cup
- C. It becomes a gas
- D. It stops being matter

4. How does a gas behave?

- A. It keeps a fixed shape
- B. It stays only at the bottom of a container
- C. It spreads out to fill the space around it
- D. It cannot move

5. Which statement correctly describes a change of state?

- A. Ice can melt into liquid water
- B. Water stops being matter when it evaporates
- C. Gas cannot change back into a liquid
- D. A solid can never change form

Answer Key

1. B — Anything that has mass and takes up space

Matter is anything that has mass and takes up space.

2. C — It keeps its own shape

A solid keeps its own shape.

3. B — It takes the shape of the short cup

When water is poured into a short cup, it takes the shape of the short cup.

4. C — It spreads out to fill the space around it

A gas spreads out to fill the space around it.

5. A — Ice can melt into liquid water

Ice can melt into liquid water, which is a change of state.