

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Answer Key: Hard Rocks and Soft Socks: Pre-K States of Matter Quiz

Foundational assessment where learners distinguish between rigid objects and flowing materials using sensory observations and everyday classroom examples.

---

**1. If you pour blue paint from a round jar into a square tray, what happens to the paint?**

**Answer:** B) It changes into a square shape.

Liquids like paint don't have their own shape; they change to fit whatever container you put them in.

**2. A wooden building block keeps its shape even if you put it inside a backpack.**

**Answer:** A) True

Solids are firm and keep the same shape no matter where you move them.

**3. When we blow air into a balloon, the invisible \_\_\_\_\_ makes the balloon get bigger and rounder.**

**Answer:** A) Gas

Gas is often invisible, but it takes up space and fills things up, like the air inside a balloon.

**4. Which of these things can you pour into a cup and watch it splash?**

**Answer:** C) Apple juice

Apple juice is a liquid, which means it can flow, be poured, and make a splash.

**5. If you leave a puddle of water in the sun, it can turn into invisible gas and go into the air.**

**Answer:** A) True

When liquids get warm, they can change into a gas that we usually cannot see.

**6. Think about a fluffy towel. Even though it is soft, it is a \_\_\_\_\_ because it doesn't flow like water.**

**Answer:** B) Solid

Even soft things like towels or pillows are solids because they are made of fibers that don't flow or pour.

**Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**7. What happens when you put a tray of liquid water into a very, very cold freezer?**

**Answer:** A) It turns into a hard solid

When water gets very cold, it freezes and changes from a liquid to a solid called ice.

**8. The steam rising from a hot bowl of oatmeal is a gas.**

**Answer:** A) True

Steam is a form of gas that happens when water gets very hot.

**9. If you tip over a bottle of maple syrup, it will slowly \_\_\_\_\_ out onto the table.**

**Answer:** C) Flow

Syrup is a thick liquid, so it flows and spreads out when it is poured.

**10. Which of these is a solid you can find at a playground?**

**Answer:** B) The metal slide

The slide is a solid because it is hard, strong, and stays in the same shape every day.