

## Solids

### A. Choose the Correct Answer:

1. Which of the following is a solid?

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|----------|----------|
| a) Water | b) Air   |
| c) Rock  | d) Juice |

2. What shape do solids have?

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|----------------------------|---|
| a) They have a fixed shape | b) They take the shape of the container |
| c) They have no shape      | d) They always stay round               |

3. Which of the following is an example of a hard solid?

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|-----------|----------------|
| a) Sponge | b) Rubber band |
| c) Brick  | d) Cotton      |

### B. Fill in the Blanks:

1. Solids have a \_\_\_\_\_ shape and size.
2. A \_\_\_\_\_ does not change its shape when moved.
3. Ice is a solid form of \_\_\_\_\_.

### C. Case Study:

Riya was playing with her toys. She had a wooden block, a rubber ball, and a piece of clay.

- The wooden block kept its shape no matter how she held it.
- The rubber ball was bouncy but stayed round.
- The clay could be pressed into different shapes.

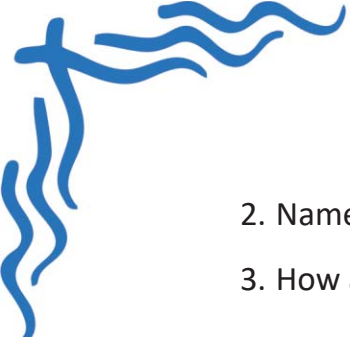
After playing, Riya realized that all these objects were solids, but they behaved differently.

#### Case Study Questions:

1. Which solid kept its shape all the time?
2. Why was the clay able to change shape?
3. Which solid was bouncy?
4. What did Riya learn about the behavior of solids?

### D. Short Answer Questions:

1. What is a solid?

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2. Name three examples of solids you see at home.
  3. How are solids different from liquids?

**E. Long Answer Questions:**

1. Explain the properties of solids with examples.
  2. Describe how different types of solids can have different textures, such as soft, hard, smooth, or rough.
  3. Discuss why solids do not change shape easily, but some can be molded, like clay or playdough.
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