



## Different forms of Matter

### A. Choose the Correct Answer:

1. What are the three main forms of matter?

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|---------------------------|---------------------------|
| a) Solid, liquid, and gas | b) Sun, moon, and stars   |
| c) Rock, water, and air   | d) Big, small, and medium |

2. Which of the following is an example of a solid?

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

3. What happens when water is frozen?

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|------------------------|-------------------------|
| a) It turns into steam | b) It becomes solid ice |
| c) It changes into gas | d) It disappears        |

### B. Fill in the Blanks:

1. Matter is anything that has \_\_\_\_\_ and takes up space.
2. The form of matter that has a definite shape and volume is called \_\_\_\_\_.
3. Water changes into ice when it is kept in the \_\_\_\_\_.

### C. Case Study:

Riya and her brother were playing with different objects in their home. Riya had a bottle of water, a balloon filled with air, and a rock. She noticed:

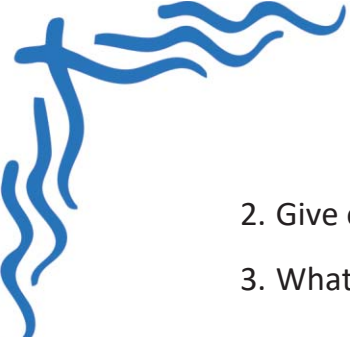
- The water took the shape of the bottle.
- The balloon was easy to squeeze, and the air spread inside it.
- The rock remained hard and did not change its shape.

#### Case Study Questions:

1. Which form of matter was the water?
2. Why did the balloon change its shape when squeezed?
3. What was the difference between the rock and the water in terms of shape?
4. Which form of matter can flow easily?

### D. Short Answer Questions:

1. What is matter made of?

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2. Give one example of each form of matter: solid, liquid, and gas.
  3. What happens when a solid is heated?

**E. Long Answer Questions:**

1. Explain the difference between solids, liquids, and gases with examples.
  2. Describe how water changes its form when heated and cooled.
  3. Why is it important to understand the different forms of matter? Give examples from daily life.
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