

# SCIENCE



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## MATTER

**Read the story before answer the questions:**

### Observing Changes

Today has been a day full of emotions; we went to the Science laboratory. Mrs. Polly has explained to us that everything that has a place in space is known as matter, and the amount of matter in an object is called mass.

She told us that there are three states of matter: solid, liquid and gas.

She asked us to observe our surroundings and tell her what we see. While we were naming objects, she was writing them on the board. On the list there was a book, a table, the fish tank, water and water bottle.

Alex mentioned that there was something surrounding us but we could not see it: the air!

Mrs. Polly told us that everything we can see and has form and a defined size is a solid, such as the table.

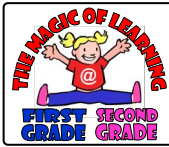
All of those that had no form but did have volume were a liquid, such as the fish tank water. Those that didn't have form or volume were a gas, such as the air we breathe.

Later on, we did some experiments to watch the matter changing from one state to another. She placed a cube of ice on a plate and we observed how it was melting. "This is a change from solid to liquid", said Stephanie.

Then we saw what happened when a pot of water began to boil. "It is changing to steam!" exclaimed Juliana.

Before we leave the laboratory, Mrs. Polly asked us to do something at home. She said, "What would happen if we place a glass of water in the freezer?" "Very simple," said Ben – It will change from liquid to solid. - Excellent ! - We said together.

It was very interesting to learn about the states of matter and its changes.



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### Answer the questions:

1. The amount of mass in an object is known as...
  - a. Texture.
  - b. Odor.
  - c. Mass.
  - d. Flavor.
2. The following are the states of Matter :
  - a. Gas, solid and liquid.
  - b. Solid, liquid and gel.
  - c. Liquid, water and solid.
  - d. None of above.
3. A table is an example of what state of matter?
  - a. Liquid.
  - b. Solid.
  - c. Gas.
  - d. Spray.
4. All that takes a place in the space is called...
  - a. Magnet.
  - b. Matter.
  - c. Solid.
  - d. Water.
5. When an ice cube is melting, it is changing from...
  - a. Liquid to solid.
  - b. Gas to liquid.
  - c. Liquid to gas.
  - d. Solid to liquid.



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### Answer the questions:

6. An example of the state liquid of matter is...

- a. Water.
- b. A balloon.
- c. A book.
- d. A ball.

7. Which of the following has more mass?

- a. Ball.
- b. Elephant.
- c. Ant.
- d. Book.

8. The state of matter that has shape and size is...

- a. Gas.
- b. Liquid.
- c. Air.
- d. Solid.

9. The state of matter that has **No** shape but volume is...

- a. Liquid.
- b. Solid.
- c. Gas.
- d. None of above.

10. The state of matter that has **No** shape and **No** size is...

- a. Liquid.
- b. Gas.
- c. Solid.
- d. None of above.