

# Matter

1. What things are matter? Complete the table.

sound   air   water   light   wood   feelings

matter	not matter
_____	_____
_____	_____
_____	_____

2. Look at the pair of objects and answer the questions.

(A)



(B)



- Which toy in A has a greater mass? \_\_\_\_\_
- Which toy in A has a larger volume? \_\_\_\_\_
- Which ball in B has a greater mass? \_\_\_\_\_
- Which ball in B has a larger volume? \_\_\_\_\_

3. Complete the sentences.

container   volume   fixed   shape   solid

- A solid has a \_\_\_\_\_ shape and a fixed volume. We cannot walk through a \_\_\_\_\_ object like a door.
- A gas does not have a fixed \_\_\_\_\_ or a fixed volume. It occupies the whole space of the \_\_\_\_\_ it is in.
- A liquid takes the shape of the container it is in, but it has a fixed \_\_\_\_\_.



4. Write T (true) or F (false). Then, correct the false sentences.

a. Condensation happens when a gas cools and changes into a liquid.

\_\_\_\_\_

b. Evaporation happens when a liquid is cooled and changes into a gas.

\_\_\_\_\_

c. Solidification happens when a liquid is heated and changes into a solid.

\_\_\_\_\_

d. Melting happens when a solid is heated and changes into a liquid.

\_\_\_\_\_

5. Circle the correct words.

a. Mass is the amount of **matter** / **properties** in an object.

b. An object with a lot of mass is **heavy** / **light**.

c. We measure mass in **litres** / **kilograms**.

d. All the space an object occupies is called its **mass** / **volume**.

e. We measure volume in **litres** / **kilograms**.

6. Write P (pure substance) or M (mixture).

gold ☐

air ☐

oxygen ☐

ice cream ☐

seawater ☐

cereal and milk ☐

7. Write the changes of states of water.



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

