

## What do you know about matter?

- **Read and choose the correct option.**

### **1. What is mass?**

- a. A specific property of matter.
- b. The amount of matter in an object.
- c. The amount of space that an object occupies.

### **2. What is the unit of measurement for mass?**

- a. Litre or millilitre.
- b. Cubic metre.
- c. Kilogram or gram.

### **3. How can you measure volume?**

- a. Using measuring cylinders.
- b. Using scales.
- c. Using electronic scales.

### **4. How can you calculate the density of an object?**

- a. Dividing its volume by the space occupied.
- b. Dividing its mass by its volume.
- c. Dividing its volume by its mass.

### **5. Why does an object float in water?**

- a. Because its density is lower than the density of the liquid.
- b. Because its density is higher than the density of the liquid.
- c. Because its density is equal to the density of the liquid.

## Which object has more density?

- Look at the picture and select the correct option.

1. Which of the figure has a density of  $7\text{g/cm}^3$ ?

2. Which of the figures has a density of  $0.6\text{g/cm}^3$ ?

3. Why does the dinosaur floats?

4. Why does the car sink?



## How do we measure mass?

Remember: there are 1,000 gr in 1 kg.

- Read and match.

1 kg →

100 g →

10 kg →

1 g →

10,000 g

0.001 kg

0.1 kg

1,000 g

## What are changes in matter?

### Changes of state of water.

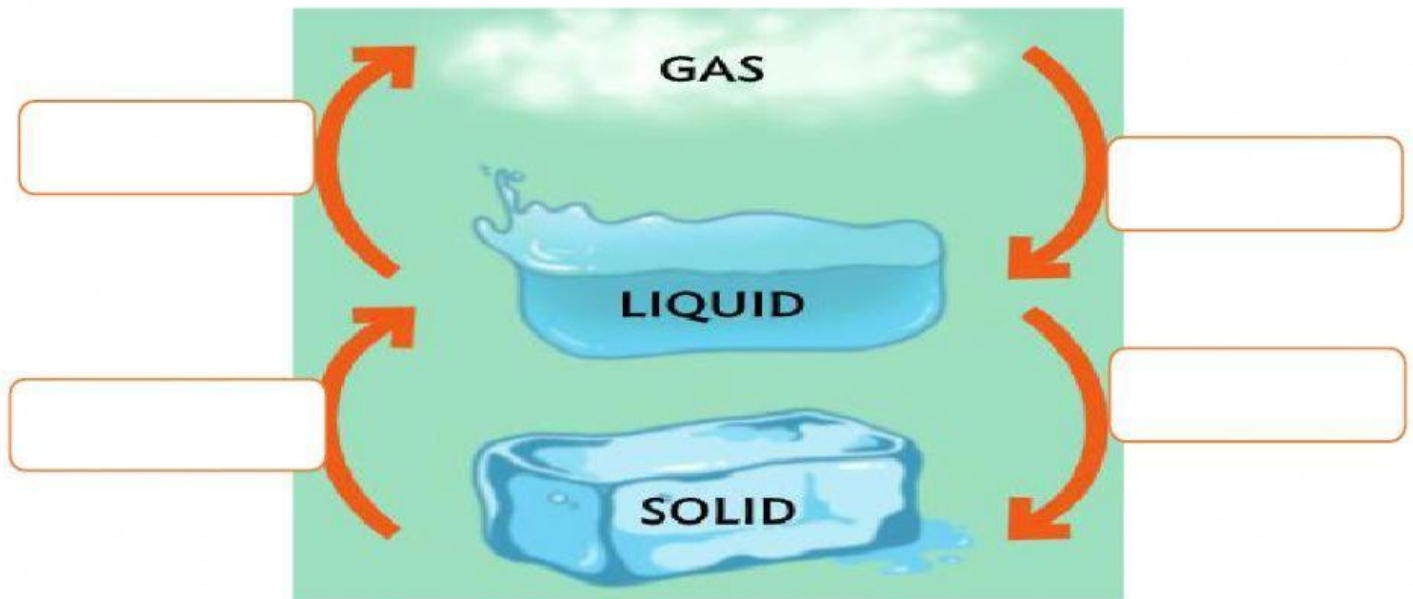
- Name the different state of water.

solidification

condensation

melting

evaporation



- Listen and join.

#### Conversation 1:

- I can't see out of the window.
- That's because it's hot inside the car and very cold and rainy outside.

**melting**

#### Conversation 2:

- Hey, where's my snowman? It's gone!
- Yes. The sun has melted it.

**evaporation**

#### Conversation 3:

- Why isn't there any water in the pond, Dad?
- The sun has dried it.

**solidification**

#### Conversation 4:

- Oh, look. The lake is frozen.
- Great. We can go ice skating.

**condensation**

- **Read and choose the correct option: PHYSICAL OR CHEMICAL CHANGE.**

1. When someone breaks a plate, it is a
  - a. physical change
  - b. chemical change.
2. When people burn paper, it is a:
  - a. physical change
  - b. chemical change.
3. When someone puts butter in a pan and it melts, it is a
  - a. physical change
  - b. chemical change.
4. When someone makes a cake, it is a
  - a. physical change
  - b. chemical change.
5. When you see an old rusting bike, it is a
  - a. physical change
  - b. chemical change.
6. Ice changes into water, it is a
  - a. physical change
  - b. chemical change.
7. Moulding bread in a bag, it is a
  - a. physical change
  - b. chemical change.