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 of 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 7g/cm^3?

2. Which of the figures has a density of 0.6 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.**

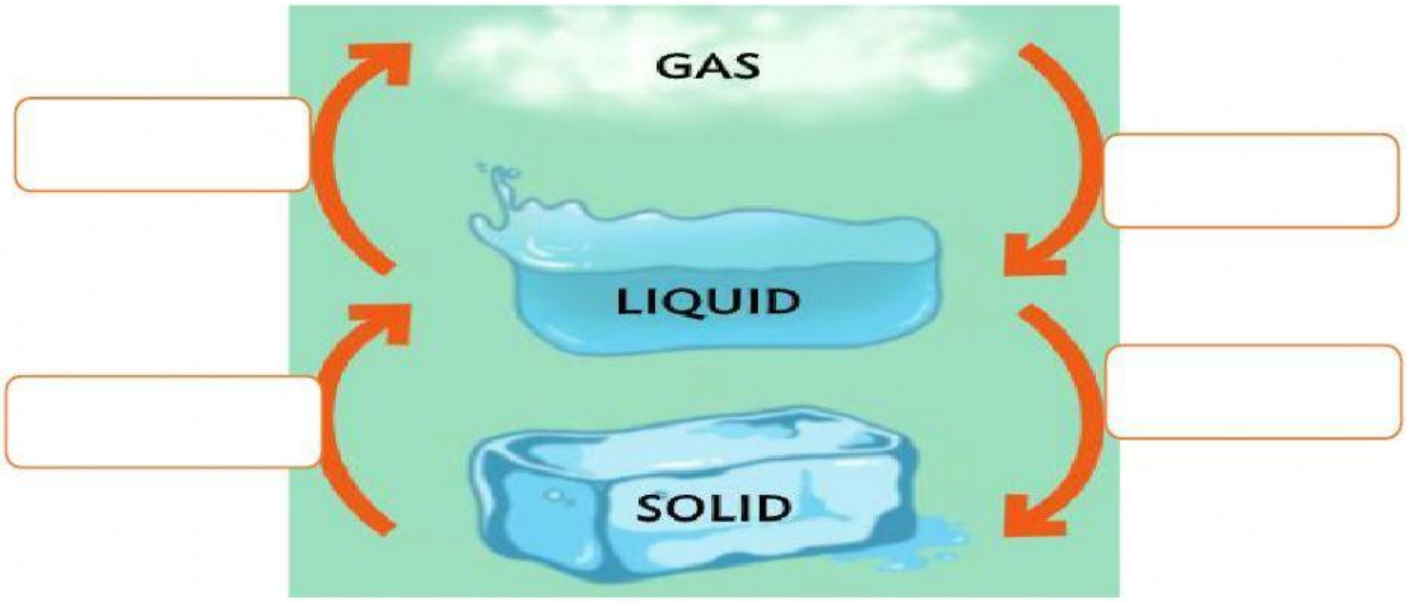
1 kg →	10,000 g
100 g →	0.001 kg
10 kg →	0.1 kg
1 g →	1,000 g

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.

Conversation 2:
- Hey, where's my snowman? It's gone!
- Yes. The sun has melted it.

Conversation 3:
- Why isn't there any water in the pond, Dad?
- The sun has dried it.

Conversation 4:
- Oh, look. The lake is frozen.
- Great. We can go ice skating.

melting

evaporation

solidification

condensation

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

1. When someone breaks a place, 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. Ices 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.