

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 g/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.

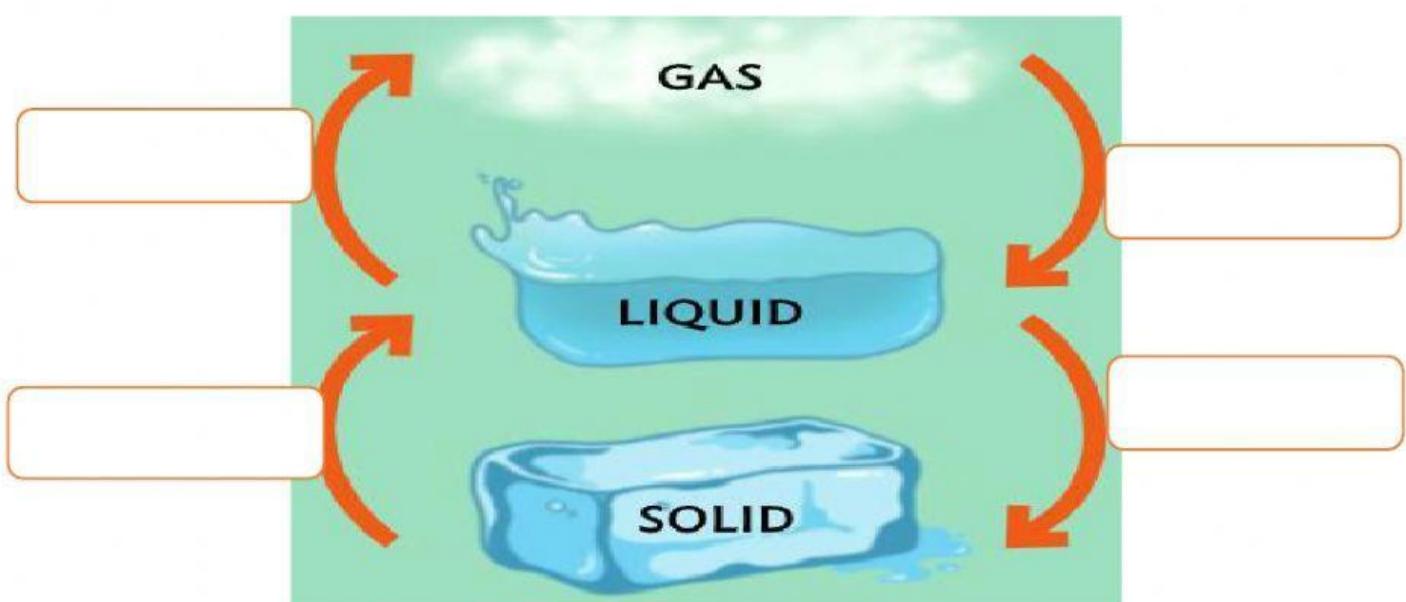
- Name the different state of water.

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.

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 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.