

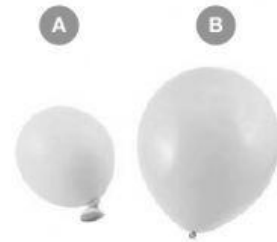
Properties of matter

1 Look at the picture and then answer:

If both balloons are inflated with air, which one has more mass?

Which one has more volume?

How do you know this? Explain.



States of matter

2 Look at the following pictures and identify the properties of each object. Check ✓ the correct option.

Eraser



- ☐ Capacity to flow
- ☐ Constant volume
- ☐ Defined form
- ☐ It compresses

Air inside the
hot air balloon



- ☐ Capacity to flow
- ☐ Constant volume
- ☐ Defined form
- ☐ It compresses

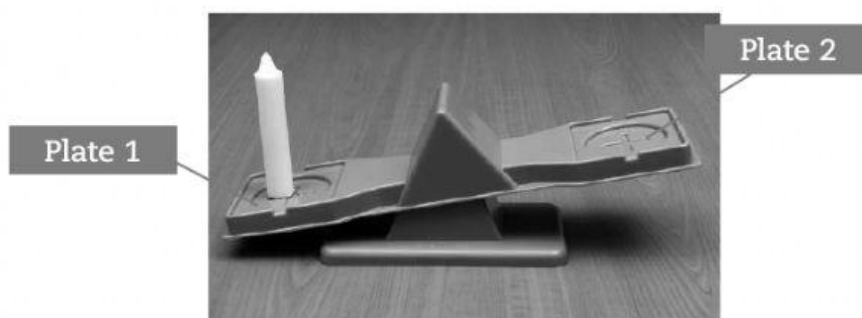
Orange juice



- ☐ Capacity to flow
- ☐ Constant volume
- ☐ Defined form
- ☐ It compresses

Read the following questions and circle the correct alternative.

- 4 Which of the following options is **not** matter?
- A. Music
 - B. A ball
 - C. A rhinoceros
 - D. The air we breathe
- 5 Lucas has to feed his dog with 250 g of dog food. What instrument must he use to measure that portion of food?
- A. A test tube
 - B. A scale
 - C. A thermometer
 - D. A dynamometer
- 6 Look at the picture below. What would happen if you put two candles (equal in size to that on plate 1) on plate 2?



- A. The scale would balance out.
 - B. The scale would lean to the right.
 - C. The scale would lean to the left.
 - D. The scale would stay how it is in the image.
- 7 What defines the concept of mass?
- A. A body's amount of matter.
 - B. The weight of a given body.
 - C. The space a body occupies.
 - D. The space a liquid body occupies.