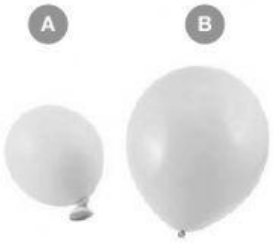
Name: _____ Grade: _____

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?

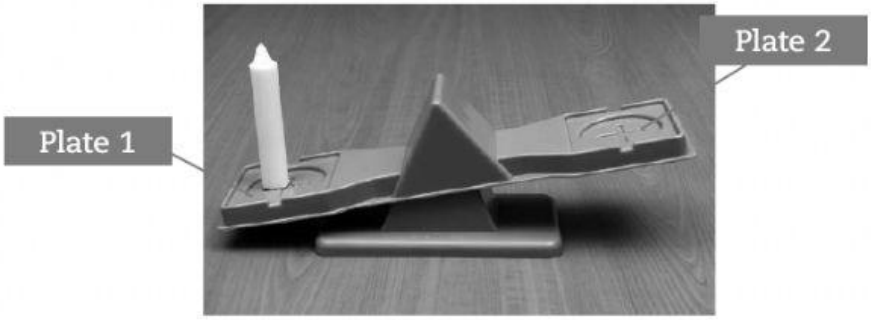
   A. A test tube

   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.