

Matter, mass, volume and density.

1. Write volume (V) or mass (M).

You can measure it with a scale or balance. ■

You can measure it in grams. ■

You can measure it with a measuring cup. ■

The amount of matter an object contains. ■

The amount of space matter occupies. ■

You can measure it in liters. ■

2. What are the three states of matter?

■

■

■

3. Complete the definition of about density. Use the words in the box. There is one extra word.

amount volume space mass density

Density is how much _____ an object
occupies and the _____ of matter it
contains. You can find the _____ of an object
if you divide its mass by its _____.

4. Match each word with its measurement element.

Grams or
Kilograms

Mass

Volume

Cubic
decimeter
or litre

Matter, mass, volume and density.

5. Compare the density of these objects. Choose the correct option and complete the sentences.



High / low density



High / low density

Objects with _____ density float.

Objects with _____ density sink.