

# Review: We care about matter

**1. Write the three properties of matter.**



**2. Read and write mass, volume or density.**

1. We can measure it with a scale or a balance. \_\_\_\_\_
2. The buoyancy of an object depends on this. \_\_\_\_\_
3. We measure it in litres or m<sup>3</sup>. \_\_\_\_\_
4. A measurement of the amount of mass in a certain volume. \_\_\_\_\_
5. We measure it in grams or kilograms. \_\_\_\_\_
6. It is the amount of matter in an object. \_\_\_\_\_
7. It is the amount of space an object occupies. \_\_\_\_\_
8. The formula to find it out is its mass divided by its volume \_\_\_\_\_
9. We can measure it with a cylinder. \_\_\_\_\_
10. If it's less than 1, it's low and if it's more than 1 it's high. \_\_\_\_\_

**3. Compare the density of these objects. Choose the correct option, complete the sentences and match.**



**Objects with a \_\_\_\_\_ density sink.**  
**Objects with a \_\_\_\_\_ density float.**

Objects with a density  $< 1$  \_\_\_\_ density sink.  
Objects with a density  $> 1$  \_\_\_\_ density float.

#### 4. Read the definitions and write the aircraft.

1. It has hot air inside which is less dense than air and makes it rise up. It's moved by the force of the wind. \_\_\_\_\_
2. It's filled with helium or hydrogen which are less dense than air and make it rise up. It's moved by the force of an engine. \_\_\_\_\_
3. It has wings and an engine that makes it move. \_\_\_\_\_
4. It has blades that rotate and an engine that makes it move. \_\_\_\_\_

#### 5. Answer: what's the name of the force that airplanes have and helps them to overcome their weight? \_\_\_\_\_

#### 6. Choose true or false. Write the correct word.

1. Moving heavy objects on land can be difficult because of the force of buoyancy. \_\_\_\_\_
2. Friction is the force between two surfaces that are in contact. \_\_\_\_\_
3. Friction works in the same direction of the object that we are trying to move. \_\_\_\_\_
4. Friction slows down the moving object. \_\_\_\_\_
5. A heavy object creates more friction. It's easy to move it. \_\_\_\_\_
6. A smooth surface creates less friction. It's difficult to push an object on a smooth surface. \_\_\_\_\_
7. First, rollers were used to overcome friction, later the wheel because it reduces friction better. \_\_\_\_\_

#### 7. Look and choose the correct option.

