

## Unit 5 Test: Matter and Energy

### 1. Complete the sentences

- \_\_\_\_\_ is the amount of space an object occupies.
- One litre is equal to 1,000 \_\_\_\_\_.
- You can measure the \_\_\_\_\_ of an object or substance with a measuring cup.
- When something has a lot of matter, it means it has a high \_\_\_\_\_.

### 2. Label the states of the matter



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### 3 . Tick the correct sentences

- Density is the relationship between the matter and mass of an object or substance. ☐
- Density refers to the space something occupies and the amount of matter it contains. ☐
- You can find the density of an object by dividing mass by volume. ☐
- Density is measured in kilograms. ☐
- Ice floats in water because it has a low density. ☐

### 4 . Complete the table about materials

plastic • cork • marble • steel • paper • wool

| natural | manufactured |
|---------|--------------|
|         |              |
|         |              |
|         |              |

5 . Label the properties the photos refer to



\_\_\_\_\_

6 . Read and write the number

|   |            |                                            |                          |
|---|------------|--------------------------------------------|--------------------------|
| 1 | resistance | How difficult it is to scratch a material. | <input type="checkbox"/> |
| 2 | hardness   | The ability of a material to dissolve.     | <input type="checkbox"/> |
| 3 | solubility | The ability of a material to stretch.      | <input type="checkbox"/> |
| 4 | elasticity | How difficult it is to break a material.   | <input type="checkbox"/> |

7 . Read and write the change of state is described

- liquid to solid \_\_\_\_\_
- gas to liquid \_\_\_\_\_
- solid to liquid \_\_\_\_\_
- liquid to gas \_\_\_\_\_

8 . Press the pure substance

gold

milk

cereal

oxygen

salt

yoghurt

diamond

chocolate

silver

9 . Write the correct word

filtration • evaporation • distillation • decantation

