

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



10 . Complete the sentences. There is one extra word

Mechanical • Chemical • Electrical • Thermal • Light

- _____ energy is found in wood, food and batteries.
- _____ energy can transform into light, sound, heat or movement.
- _____ energy is the fastest form of energy.
- _____ energy flows from warm to cool substances.

11 . Press the renewable energy sources



water



coal



sun



gas