

UNIT 5

END-OF-UNIT TEST

Name: _____

Class: _____

1 Complete the sentences about the properties of materials.

resistant absorbent flexible fragile rigid waterproof

a A kitchen sponge  is _____ because it can soak up water.

b An umbrella  is _____ because it repels water.

c A can  is _____ because it does not change shape easily.

d A rubber band  is _____ because it changes shape easily.

e A glass jar  is _____ because it breaks easily.

f A stone wall  is _____ because it does not break easily.

2 Choose the correct word to make sentences about mixtures.

- a You can / cannot see the different types of matter in a salad.
- b You can / cannot see the different types of matter in a cup of coffee with milk.
- c You can / cannot see the different types of matter in a bowl of cereal with milk.
- d You can / cannot see the different types of matter in seawater.

3 Do they have a definite shape and volume? Put a tick or a cross.

| | solid | liquid | gas |
|-----------------|-------|--------|-----|
| definite shape | ✓ | | |
| definite volume | | | |

4 What is the name of the process?

a The process when water changes from a liquid to a solid. f _____

b The process when water changes from a solid to a liquid. m _____

c The process when water changes from a liquid to a gas. e _____

5 Write *solid*, *liquid* or *gas*.

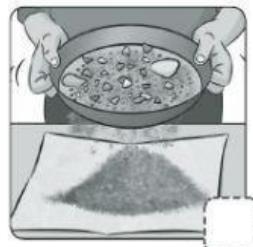
6 Order and label the methods of separating materials in a mixture.

sieving

filtering

evaporating

a _____



b _____



c _____



7 Complete the sentences with the forms of energy.

sound electrical kinetic light thermal

a The sun produces _____ energy and _____ energy.

b A guitar is an example of something which produces _____ energy.

c Anything which is moving such as a person rollerblading produces _____ energy.

d Most appliances in houses need _____ energy to function.

8 Write two types of energy for each photo.



9 Circle words to make correct sentences.

a Electricity passes through electrical **insulators** / **conductors** very easily.

b Electrical conductors **allow** / **do not allow** electricity to pass through them.

c **Metal** / **Wood** is a very good electrical insulator.

d **Water** / **Plastic** is a very good electrical conductor.

10 Match the material to the colour of the recycling container.

| | | | |
|--------------|--------------|----------------|-------------------------|
| paper | glass | plastic | organic material |
| ● blue | ● grey | ● yellow | ● green |