

UNIT 5. MATTER AND HEAT

Name: _____ Date: _____

1. Complete the text with the words from the box. You will need to use some words more than once.

states matter expand containers volume shape

Everything is made of _____. There are three _____ of matter: solid, liquid and gas. Solids have a definite _____ and _____. They do not change size or shape in different _____. Liquids do not have a definite _____ but have a definite _____. They take the shape of different containers. Gases do not have a definite _____ or a definite _____. They _____ to fill their containers. We can use a beaker or cylinder to measure _____.

2. Read the sentences. Write reversible physical change, irreversible physical change or chemical change.

a. Frying an egg. _____

b. Cutting grass. _____

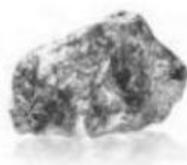
c. Mixing different colours of paint. _____

d. Digesting food. _____

e. Boiling water. _____

f. Inflating a balloon. _____

3. Look at the photos. Write pure substance, heterogenous mixture or homogenous mixture.



a.



b.



c.

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4. Match the definitions to the type of separation.

- a. It is used to separate a solution of a solid and a liquid. Sieving
- b. It is used to separate a solution of two different liquids. Filtration
- c. It is used to separate a mixture of solids and liquids. Evaporation
- d. It is used to separate a mixture of solids of different sizes. Distillation

5. Complete the table about thermal conductors and insulators.

wool aluminium glass steel cotton plastic copper gold							
Thermal conductors				Thermal insulators			

6. Read the sentences about ways to save energy. Write true or false.

- a. Take long showers to save hot water. _____
- b. Put on a sweater when you feel hot. _____
- c. Disconnect chargers of electronic devices when you are not using them. _____
- d. Leave the lights on when you leave a room. _____
- e. Recycle paper, plastic, glass and metal. _____
- f. Leave the fridge door open. _____

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