

# Test Unit 5.

## Matter and energy



Write your name:

1. We can find matter everywhere around us in three different states: \_\_\_\_\_ (lakes), \_\_\_\_\_ (clouds) and \_\_\_\_\_ (icebergs).

2. Choose the correct state of matter for each picture.

	SOLID	LIQUID	GAS
 carrots			
 oxygen			
 milk			
 helium			
 tea			
 crystals			
 rabbit			
 orange juice			

3. When water changes from liquid to gas it is called \_\_\_\_\_.

4. Which change of state happens when an icecream is in the Sun? \_\_\_\_\_.

5. Match each picture with the corresponding type of energy.



ELECTRICAL ENERGY



LIGHT ENERGY



KINETIC ENERGY



SOUND ENERGY



THERMAL ENERGY

6. Objects that are moving have \_\_\_\_\_ energy.

7. Energy cannot be created or destroyed, it only can be \_\_\_\_\_ into other types of energy.

8. Complete these texts with the correct words.

sieving

homogeneous

evaporating

pure

heterogeneous

mixture

separate

filtering

1. A \_\_\_\_\_ substance is made from a single compound, whereas a \_\_\_\_\_ is made from more than one substance. There are two types of mixtures: \_\_\_\_\_ (you cannot see all the ingredients) and \_\_\_\_\_ (you can see all the ingredients).

We can \_\_\_\_\_ mixtures using different methods: \_\_\_\_\_ (to separate liquids from solids), \_\_\_\_\_ (to separate solids with different sizes) and \_\_\_\_\_ (to separate solids dissolved in liquids).

impermeable

conductor

natural

insulator

artificial

2. Materials can be \_\_\_\_\_ (found in nature, like silver) or \_\_\_\_\_ (made from natural materials, like plastics).

Some properties of materials are: \_\_\_\_\_ (allows thermal energy to pass), \_\_\_\_\_ (doesn't allow water to pass), \_\_\_\_\_ (doesn't allow energy to pass)...