

5

CAN YOU HELP SAVE THE PLANET?

Name:

Class:

1 Complete the text with the words in the box.

liquid change matter Water states

Everything around us is made of (a) _____. It has three (b) _____. It can be solid, (c) _____ or gas. (d) _____ can be found in the three states. Matter can (e) _____ states.

2 Identify the three states of water. Write liquid, gas or solid.

a



b



c



3 Choose the correct word to explain how water can change state.

freezes condenses evaporates melts

- a) When we heat solid water, it changes to a liquid. It _____.
- b) When we heat liquid water, it changes to a gas. It _____.
- c) When we cool liquid water, it changes to a solid. It _____.
- d) When we cool water vapour, it changes to a liquid. It _____.

4 Read and circle the correct word.

- a) A substance can change state because of this type of energy. Thermal / Sound
- b) Thermal energy passes through these materials quickly. Insulators / Conductors
- c) Something made up of more than one material is called this. Mixture / Substance

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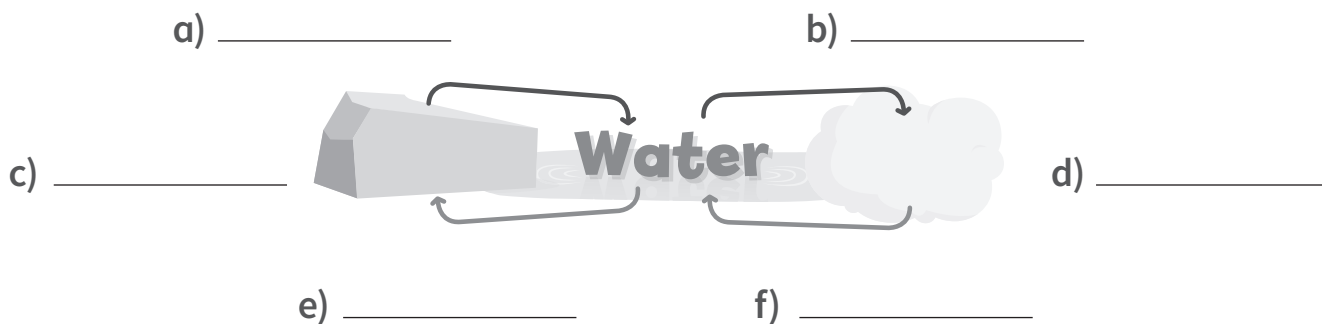
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1 Label the diagram with the words in the box.

ice water vapour melting condensation evaporation freezing



2 Match the phrases to make sentences about the different forms of energy.

- | | |
|--|--|
| a) Anything that is hot <input type="radio"/> | <input type="radio"/> with electrical energy. |
| b) We can make many machines work <input type="radio"/> | <input type="radio"/> and light energy. |
| c) Anything that we can hear <input type="radio"/> | <input type="radio"/> has kinetic energy. |
| d) Anything that moves <input type="radio"/> | <input type="radio"/> contains thermal energy. |
| e) The sun produces thermal energy <input type="radio"/> | <input type="radio"/> has sound energy. |

3 Read the sentences and circle (T) True or (F) False. Copy the correct sentences and correct the sentences that are false.

- a) Ice is water in a solid state. T / F

- b) Liquids have a definite shape, but they do not have a definite volume. T / F

- c) Energy can change from one form to another. T / F

- d) Metals are good insulators. T / F

- e) We can always see the different materials in a mixture. T / F
