

Holiday Homework Science

L.O. I can fill in the blanks within a cloze task using appropriate vocabulary.

Match the state of matter to the diagram that shows how their particles behave.

solid

liquid

gas



Next to each object, write whether it is a liquid, solid or gas.



plastic ruler _____



milk _____



air in a hot air balloon _____



bubbles in a fizzy drink _____



metal scissors _____



water _____

Write true or false next to each statement.

Some materials can change from one state to another and back again. _____

A solid takes the shape of the container it is in. _____

Solids are always hard. _____

Liquids can be poured. _____

Gases have a fixed shape. _____

Some materials can change state when heated or cooled. Draw a line from the change of state to either the word 'heat' or the word 'cooling'.

solid to liquid

liquid to gas

liquid to solid

heat

cooling

Fill in the missing words in the sentences:

When liquids reach a certain _____, they change state into a _____ or a _____. The temperatures that these changes happen at are called the boiling, _____ or freezing _____.

Fill in the missing words to complete the sentences.

The process of a liquid changing state into a gas is called _____.

The process of a gas changing state into a liquid is called _____.

The fall of liquid or solid particles as rain, sleet, hail or snow from a cloud is called _____.

Y4 – Challenge yourself with this task.

Fill in the missing letters to complete the words.

When water evaporates, it turns into a gas called w_t_r v_p_u_.

This process can happen quickly or slowly depending on the t_m_e_a_u_e.

Give an example of when you might see evaporation.

Write true or false next to these sentences:

The boiling point of water is 100°C.

The freezing point of water is -5°C.

The melting point of water is the same as its freezing point. _____

Give an example of a material that can change state and then change back to its original state.

Add the labels to this diagram of the water cycle:

precipitation

condensation

evaporation

