

Nova's States of Matter Flashcards

Learning objective: To identify, describe, and compare the properties of solids, liquids, and gases.

Use these flashcards to test your knowledge about how materials change and behave. Read the question on the front, think of the answer, then flip the card to see if you are correct!

What is a solid?

A state of matter that keeps its own shape and cannot be easily squashed.

What is a liquid?

A state of matter that can flow, takes the shape of its container, and stays at a constant volume.

What is a gas?

A state of matter that does not have a fixed shape or volume and spreads out to fill all available space.

What happens to a solid when it is heated to its melting point?

It turns into a liquid.

What is the process called when a liquid turns into a gas?

Evaporation.

What is the process called when a gas cools down and turns back into a liquid?

Condensation.

How do the particles in a solid move?

They are packed closely together and only vibrate in a fixed position.

True or False: Gases can be squashed (compressed) easily.

True.

What happens to a liquid when it is cooled below its freezing point?

It turns into a solid.

Give an example of a gas that you cannot see.

Air (or water vapour).

What do we call the measure of how hot or cold something is?

Temperature.