

Nova's Force Fact Cards

Learning objective: To identify and understand different types of forces including friction, air resistance, and magnetism.

Read the front of the card. Think about the answer. Flip the card to check if you are right. Use the word bank to help you understand the meanings.

What is a force?

A force is a push or a pull on an object.

What happens when you push an object?

It moves away from you.

What happens when you pull an object?

It moves towards you.

What is friction?

A force that acts between two surfaces that are touching.

Does friction make things speed up or slow down?

It makes things slow down.

What is air resistance?

A type of friction caused by air hitting a moving object.

What is gravity?

An invisible force that pulls objects towards the Earth.

What can a magnet attract?

Magnetic materials like iron or steel.

Will a rough surface have more or less friction than a smooth one?

More friction.

What force stops a ball rolling on grass?

Friction.

If you drop a book, what force pulls it to the ground?

Gravity.

Nova says: Is a force a 'push' or a 'pull'?

It can be both!