

Nova's Forces and Motion Flashcards

Learning objective: To understand how forces act on objects and how surfaces affect movement.

Read the front of the card to test your knowledge about forces. Flip to the back (after the pipe symbol) to check your answer. Nova the owl is here to help you learn!

What is a force?

A force is a push or a pull upon an object resulting from the object's interaction with another object.

What happens when you push an object?

A push moves an object away from you.

What happens when you pull an object?

A pull moves an object closer to you.

What is friction?

Friction is a force that acts between two surfaces that are sliding, or trying to slide, across each other.

Does a rough surface create more or less friction than a smooth surface?

A rough surface creates more friction, which slows objects down faster.

Which surface would a toy car travel furthest on: carpet or wood?

It would travel furthest on wood because there is less friction.

What are the two poles on a magnet called?

North pole and South pole.

What happens when you bring two like poles of magnets together?

They repel each other (push away).

What happens when you bring two opposite poles of magnets together?

They attract each other (pull together).

Is a plastic toy magnetic or non-magnetic?

Non-magnetic.

Is a steel paperclip magnetic or non-magnetic?

Magnetic.

What do we call a change in an object's position?

Motion.