

Forces and Motion: The Explorer's Word Mat

Learning objective: To understand how forces, such as gravity, friction, and air resistance, affect the movement of objects.

Key Vocabulary

Use this vocabulary reference mat to help you identify the forces at work in our world. Categories include: [Movement Forces], [Surface Forces], and [Scientific Measurements].

Force A push or a pull upon an object resulti...	Gravity A non-contact force that pulls objects...	Friction A force that acts between two surfa...
Air Resistance A type of friction caused by a...	Water Resistance The force of water pushi...	Surface The outside part or uppermost layer...
Magnetism A non-contact force that can attr...	Contact Force A force that can only happen...	Non-contact Force A force that acts on an ...
Balanced Force When two forces acting on ...	Unbalanced Force When one force is stron...	Acceleration The rate at which an object ch...
Newton The standard unit used to measure ...	Mass The amount of matter in an object, us...	Weight The measure of the force of gravity ...
Explain why a ball...	Compare and con...	Justify your ans... If you were on the Moon,...
What might happ...	Max has a toy car...	Design an experi...