

Key Vocabulary:	
Air resistance	A kind of friction which acts between an object and air.
Water resistance	A force which slows objects down as they move through water.
Friction	The resistance which one object encounters when it moves against another.
Gravity	the force that attracts a body towards the centre of the earth, or towards any other physical body having mass
Opposing	Two forces which balance each other out.
Streamline	An object that is shaped to travel through air or water with as little resistance as possible.

Key Facts:	
1	Air resistance and water resistance are forces against motion caused by objects having to move air and water out of their way.
2	Friction is a force against motion caused by two surfaces rubbing against each other.
3	Unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
4	I can identify the effects of air resistance, water resistance and friction, which act between moving surfaces
5	Some mechanisms, including levers, pulleys, and gears, allow a smaller force to have a greater effect

BIG QUESTIONS:

Do all objects fall through water in the same way?	Pattern seeking
How does the surface area of an object affect the length of time it takes to fall?	Comparative testing

TYPES OF FORCE

