

Key Vocabulary

Word	Meaning
push	To make someone or something move forwards.
pull	To make someone or something move backwards.
twist	To make someone or something move around.
gravity	The force that pulls something down to the ground.
attract	To pull something towards it.
repel	To push something away.
magnet	A special metal that attracts and repels some other metals.
direction	The path along which something moves, lies or points.
Friction	A force that slows or stops motion when objects rub together.

Forces – What is a force?

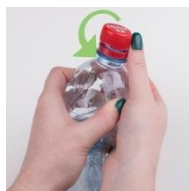
A force is a **push**, a **pull** or a **twist** on an object/person which makes it change shape or move.



push

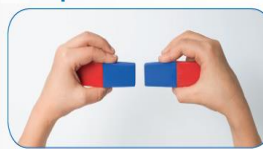


pull

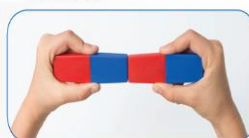


twist

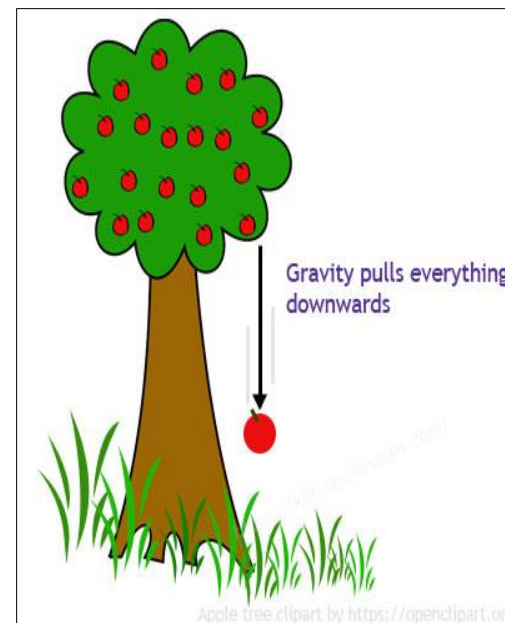
Repel



Attract



magnet



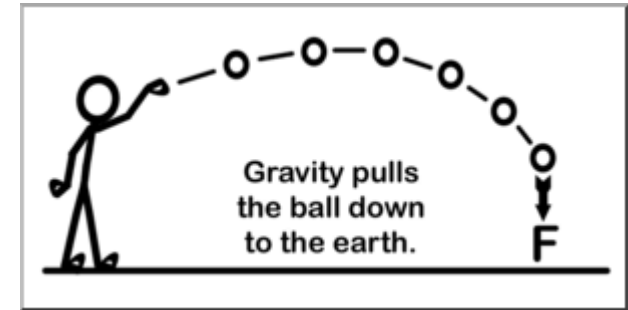
Forces

The bigger the force the more the shape changes.

The bigger the force the further the object moves.



friction

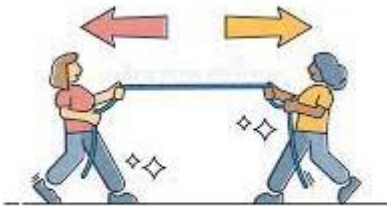


Friction

The lesser the friction, the faster an object or person will move.



twist



direction

Extending your learning:

1. What forces do you use at home?
2. Think about the forces you use when you go to the park. Can you draw a picture of the equipment and the forces?
3. How can you test gravity using objects of different weights?
4. Investigate which forces you use when riding a bike.