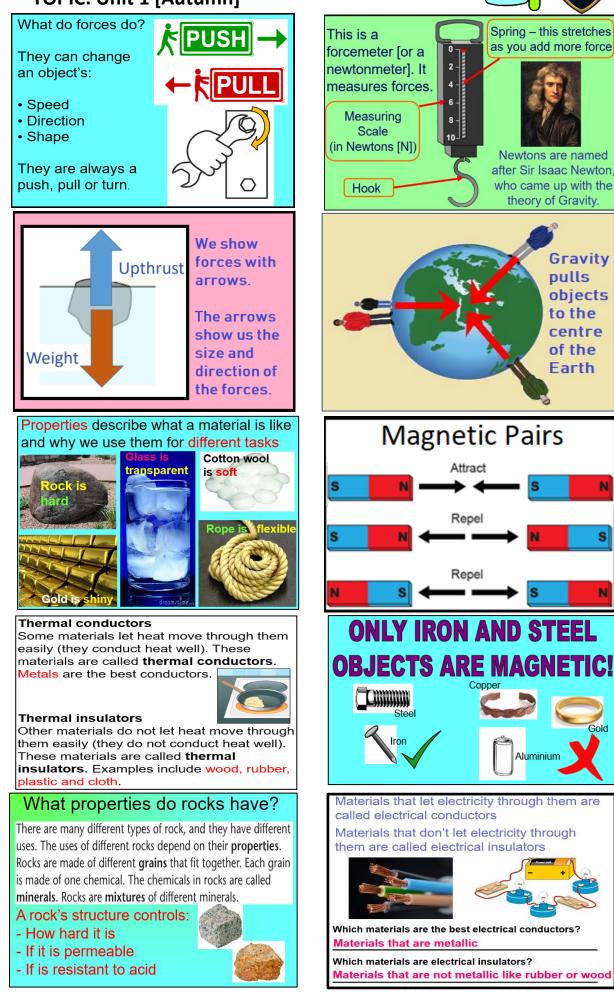
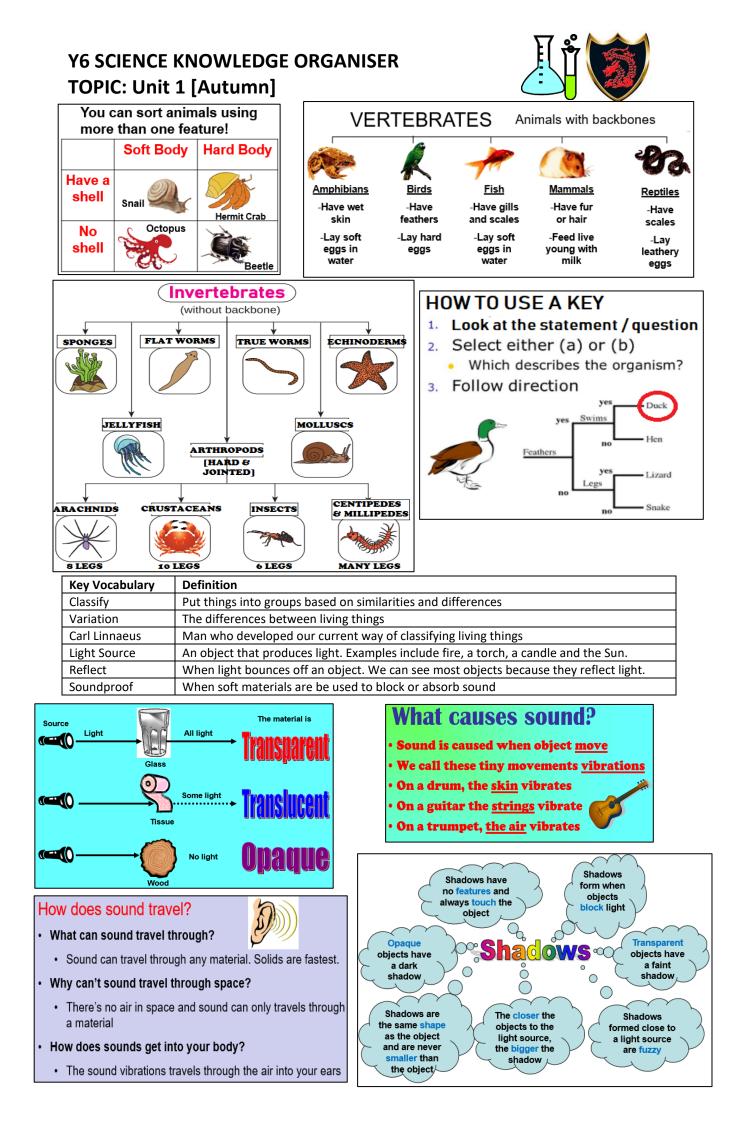


## Y5 SCIENCE KNOWLEDGE ORGANISER TOPIC: Unit 1 [Autumn]

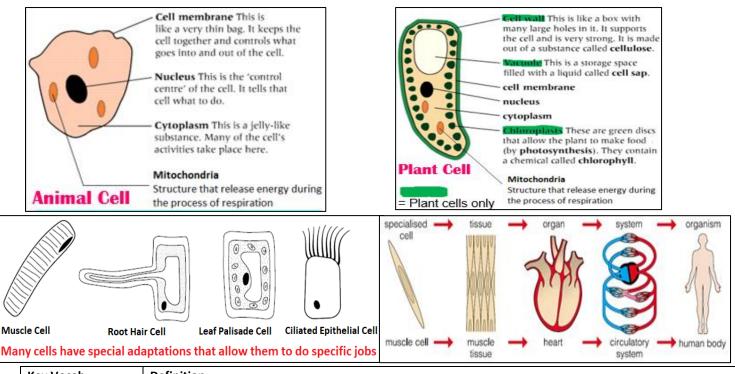




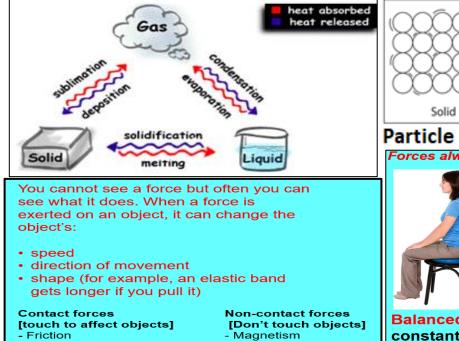


## Y7 SCIENCE KNOWLEDGE ORGANISER TOPIC: Unit 1 [Autumn]





Key Vocab	Definition
Particle	The smallest units of all materials. The particle arrangement differs between solid, liquid and gas.
Diffusion	The movement of particles from an area of high concentration to an area of low concentration, until they are evenly spread.
<b>Brownian Motion</b>	The random movement of particles in liquids and gases that spreads out smells.
Gas Pressure	A force created by the collisions of gas particles with an object. It can be increased by compressing or heating.
Friction	The forces that opposes movements between touching surfaces. This can be reduced by using a lubricant [like oil], smoothing a surface or reducing surface contact [with ball bearings]
Drag	The scientific term to describe air and water resistance, the forces that slow down materials as they move through those substances.
Streamlined	A pointed, often flattened shape that reduces drag to increase speed. Similar to aerodynamic. Can be seen on vehicles and fast-moving animals like fish and birds, but also on man-made vehicles
Hooke's Law	When an elastic object [like a spring] is stretched, its extension is proportional to the force applied. Double the force = double the extension.

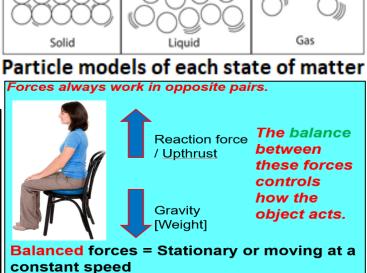


- Static Electricity

- Gravity

Air & Water Resistance

Upthrust



Unbalanced forces = A change of speed or direction of movement

## Y8 SCIENCE KNOWLEDGE ORGANISER TOPIC: Y8 Unit 1 [Autumn]



