

SPACE & GLOBAL WARMING

Knowledge Organiser – Year 5

Key vocabulary

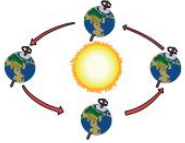
- **Solar System** – the Sun and the other bodies that orbit it



- **planets** – a roughly spherical object which orbits a star



- **orbit** – the path an object takes around another object because of gravity



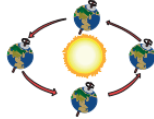
- **Sun** – the star at the centre of our Solar System



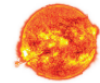
- **gravity** – a non-contact force caused by objects with mass pulling each other



- **orbit** – the path an object takes around another object because of gravity



- **heliocentric model** – a model that puts the Sun at the centre of the Solar System



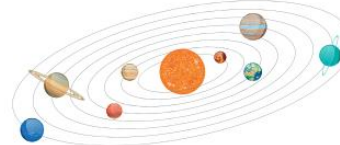
- **geocentric model** – a model that puts Earth at the centre of the Solar System



- **moon** – a natural satellite that orbits Earth



- **gravitational force** – a non-contact force caused by objects with mass pulling each other



- **orbit** – the path an object takes around another object because of gravity



- **satellite** – an object that orbits a planet or a star

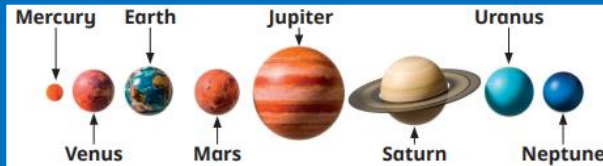
rotate – to spin around an axis



North Pole – the northern point of Earth's axis

South Pole – the southern point of Earth's axis

axis – an imaginary line which something rotates around



Factual knowledge

- Global warming affects humans, animals and plants.
- Global warming and climate change can cause icy habitats to melt due to increasing temperatures.
- Humans, animals and plants are affected by flooding and drought caused by global warming.

Key vocabulary

- **global warming** – the gradual increase in the Earth's temperature



- **glacier** – a mass of thick ice and snow



- **habitat** – an area where animals and plants live



- **climate change** – long-term changes in the temperature and weather patterns of the Earth

- **carbon footprint** – the amount of greenhouse gases released by an individual or group of people

- **global warming** – the gradual increase in the Earth's temperature



- **greenhouse gases** – gases that trap heat from the Sun and cause the Earth to warm up



- **fossil fuels** – coal, oil and natural gas which can be burnt to power cars and generate electricity



- **climate change** – long term changes in the temperature and weather patterns of the Earth