

## Year 5 Knowledge organiser – Save our planet

In this topic, we will be asking ourselves whether we are looking after our planet and whether we could do more. We will look at the different types of pollution and the causes of each one. We will be comparing the effects of different pollution on not only us as humans but also other animals and wildlife; as well as looking at ways in which we as humans can reduce this.



What can YOU do to look after our environment? How would this affect your life?



In science, pupils will:

- Compare different animals' environments
- Research and compare different animals' life cycles
- Create a dramatisation of the reproduction of a plant.

### Key Vocabulary

Environment- the natural world, as a whole or in a particular geographical area, especially as affected by human activity.

Atmosphere- the gases surrounding the Earth or planet.

Recycle- to use again or convert to its original state.

Debris- scattered piece of rubbish or remains.

Emissions- the production and discharge of something, especially gas or radiation.

### Pollution

**Pollution** is something introduced into the environment that is dirty, unclean or has a harmful effect. The main types of pollution are:

- **Water pollution** which occurs when harmful substances—often chemicals or microorganisms—contaminate a stream, river, lake, ocean, aquifer, or other body of water. Causes include marine dumping, accidental oil leakage and more.
- **Air pollution** which occurs when harmful or excessive quantities of substances are introduced into Earth's atmosphere. Causes can be man-made such factories or vehicle exhausts but can also be natural such as volcanoes or wildfires.
- **Soil pollution** refers to the contamination of soil with concentrations of toxic substances. It is typically caused by industrial activity, agricultural chemicals or improper disposal of waste.