

# Who can be an eco-warrior? KNOWLEDGE ORGANISER

## ESSENTIAL ECO-WARRIOR VOCABULARY

|                        |   |
|------------------------|---|
| <b>climate</b>         | The average weather conditions over a long period of time                                   |
| <b>temperature</b>     | How hot or cold something is.   |
| <b>biome</b>           | A large ecosystem which relies on climate   |
| <b>weather</b>         | A specific event (like a rainstorm or hot day) that happens over a few hours, days or weeks |
| <b>equator</b>         | Imaginary line halfway around the Earth between the North and South poles                   |
| <b>longitude</b>       | Imaginary lines which go around the Earth from East to West                                 |
| <b>latitude</b>        | Imaginary lines which go around the Earth from North to South                               |
| <b>hemisphere</b>      | Half of the earth (northern or southern)  |
| <b>pollution</b>       | The presence of a harmful substance in an environment.                                      |
| <b>consumption</b>     | Using up a resource   |
| <b>sustainability</b>  | Small changes we can make to help look after the planet                                     |
| <b>ecosystem</b>       | A community of plants and animals and their non-living environment.                         |
| <b>vegetation belt</b> | Smaller regions where vegetation grows  |
| <b>greenhouse gas</b>  | Gases in Earth's atmosphere that trap heat  |
| <b>deforestation</b>   | The clearing, or cutting down, of forests   |

## Climate Zones and Biomes

Climate zones describe the temperature and precipitation in a certain area. Biomes are areas of similar vegetation in a certain area. The climate of an area determines which biomes will be present.

### Climate Zones

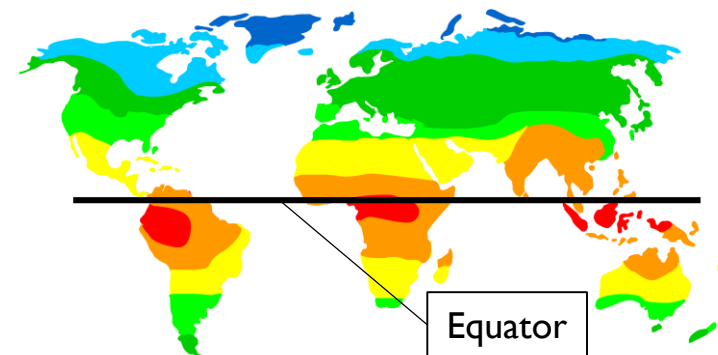
|  |                    |
|--|--------------------|
|  | Equatorial zone    |
|  | Tropical zone      |
|  | Arid zone          |
|  | Mediterranean zone |
|  | Temperate zone     |
|  | Subpolar zone      |
|  | Polar zone         |

### Biodiversity

In some biomes, such as the rainforest, there is a large range of flora and fauna. In areas with harsh conditions, there will be fewer living things.

### Climate Zones

The closer an area is to the equator, the hotter it will be. Areas at the top and the bottom of the planet are the coldest.



## Earth Day

Earth Day is an annual celebration that honours the achievements of the environmental movement and raises awareness of the need to protect Earth's natural resources for future generations.



## Climate Action

Changing our habits so they contribute less to climate change. We all need to change the way we live to stop harming the planet. A lot of these changes can improve our lives for the better too - such as cleaner air, more exercise, healthier diets and more green spaces

## Climate Activists

Children have powerful voices and can make big things happen, just like these 2... **Greta Thunberg** was just 15 when she went on strike from school and urged politicians to do more to fight climate change. **Felix Finkbeiner** was only nine years old when he started a tree-planting campaign at his school in Germany.

## Ending Plastic Pollution

To help end plastic pollution, it is important to remember to reduce, reuse and recycle:

- **reduce** (use less plastic)  
Use alternatives (such as bamboo) if possible to avoid buying single-use plastics. Instead of plastic straws, you can buy metal ones that can then be used again.
- **reuse** (use existing products instead of single-use plastic)  
If you already have plastic items, reuse them several times instead of throwing them away. If you have plastic toys you no longer use, give them to a charity shop instead of throwing them away.
- **recycle** (instead of using landfill).  
Before buying plastic, check for the recycling symbol and then recycle it instead of throwing it away. This should be a last resort, as it still has a negative impact on the environment.



## Climate Change

Climate change describes a change in the typical weather for a region — such as high and low temperatures and amount of rainfall — over a long period of time. Scientists have observed that, overall, Earth is warming.

## Greenhouse Effect

The greenhouse effect is a process that occurs when gases in Earth's atmosphere trap the Sun's heat. Human activities are increasing the amount of greenhouse gases in our atmosphere.

