

# WHAT IS CLIMATE CHANGE?

## AMAZING PLANET EARTH

Our home, Planet Earth, is an incredible place to live—around 4.5 BILLION years old!

It orbits the sun at 30 kilometres per second and takes 365 days, or one year, to complete a full orbit. It is the only planet in our solar system known to support life. This is because there are two very important things that all living creatures need to survive: lots of oxygen and water!

The earth has a kind of protective blanket wrapped around it called the atmosphere. The atmosphere is made of gases—mostly oxygen, nitrogen, methane and a little bit of carbon dioxide—and keeps the earth at just the right temperature.

Without these gases, the heat from the earth would escape into space and make the earth too cold.



### DID YOU KNOW?

The term 'environment' means everything around us - the air we breathe, other people, the plants, and the animals. Caring for the environment means caring for everything around you.

## TYPES OF CLIMATE

There are lots of different types of weather on Earth. Some places are always hot; others are always cold—while some are wet, dry, or both! These different weather types are called climates. Some examples of different climates are:

**Tropical Climates** are hot and humid. This is where you'll find the world's rainforests, like the Amazon.

**Arid Climates** are dry and don't have much rain. This is where you'll find the world's deserts, like the Sahara.



## Can we ever end climate change?

The people in charge of countries could end climate change by:

- Making education available to everyone
- Cut consumption and waste
- Respect and protect green spaces
- Reduce the country's carbon footprint
- Bank and invest our money wisely

## THINK AND TALK

**Do you think the people in charge of countries want to do this?**



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