**Unit C4: Clean Air and Water**

Week 1

Our new unit in science is called “clean air and Water” and is all about our atmosphere.

This week you will learn:

* That the Earth is surrounded by a mixture of

gases called the atmosphere.

* How the atmosphere was formed and has

changed over time.

* That the atmosphere now contains about 80%

nitrogen and 20% oxygen.

* That there are smaller amounts of water

vapour, carbon dioxide and other gases in the air.

Activities:

1. Watch <https://www.youtube.com/watch?v=Y0AOg_fPkog> about layers of the atmosphere. Draw a diagram of the Earth and label the 5 different layers of the atmosphere.
2. Look at the pie chart on the fact sheet: Gases in the Earth’s atmosphere.

Which gas is there most of in the atmosphere?

1. Oxygen B. Carbon Dioxide C. Nitrogen

Continues below ….

1. Watch all of <https://www.youtube.com/watch?v=sturoUChNo4>.

Re-watch the summary at 3 mins 50 and answer these questions:

* Why has the atmosphere on Earth changed?
* How many years ago did bacteria produce the first oxygen in the atmosphere?

A 1 billion years B. 2 billion years C. 3 billion years

* What are humans doing that is changing the atmosphere?

1. Test **all** your science knowledge by playing <https://www.bbc.co.uk/bitesize/topics/z6bqkmn/articles/zj7s6v4>