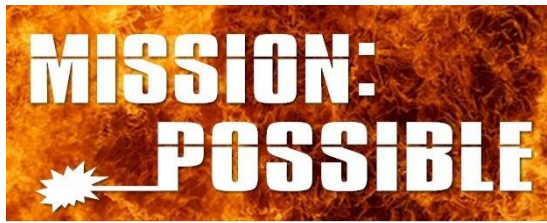


Water and Carbon Cycles



YOUR MISSION, SHOULD YOU CHOOSE TO ACCEPT IT

Your mission is to design some resources which will help you and your peers develop a better understanding of how both the **water cycle AND the carbon cycle work**.

Both the water and carbon cycles are part of a compulsory unit for the new A level in geography. Why? The carbon and water stores and cycles play a fundamental role in supporting life on Earth. Understanding them is very important in trying to understand various aspects of physical geography. Increasingly both the water and carbon cycles are being influenced by human actions and activities. **The 'mission' is to make sure that our actions do not damage the cycles beyond repair.**

Your mission is to:

1. Produce summary notes about the **water cycle**. This should include information about how water is stored and the different ways it moves through the cycle. Include a diagram too.
2. Produce summary notes about the various ways in which the water cycle has been or may be altered by human activity e.g. deforestation, climate change, urban growth.
3. Design some 'learning' activities that help to reinforce your understanding of the water cycle. These activities could be 'card sorts', 'pin the labels on the picture', 'quiz', 'boardgame' or a combination of the these.
4. Now repeat 1-3 but for the **carbon cycle**.

These are some useful sources of information:

- **An introduction in to the [Water Cycle](#)**
- **An introduction in to the [Carbon Cycle](#)**
- **Water and Carbon [Overview](#)** – a piece of work from the Royal Geographical Society that summarises the course
- **Documentary on Climate change:**
 - o <https://www.bbc.co.uk/iplayer/episode/m0009drg/panorama-climate-change-what-can-we-do>
 - o <https://www.bbc.co.uk/iplayer/episode/m00049b1/climate-change-the-facts>

Good luck!

Mr Smith