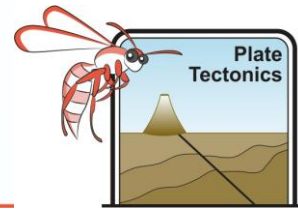
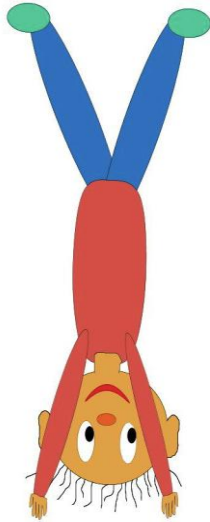


Polar Reversal - Student Activity



What happens when the poles flip?



If the poles flip (polar reversal) will our world be turned on its head?

You are asked to give a short one page scientific report on what will happen to life on Earth during the next polar reversal. Scientists have been measuring our magnetic field over the last 200 years and it has definitely been weakening. This weakening usually precedes polar reversal.

Your report should answer the following questions:

1. What creates the magnetic field around Earth? (3 marks)
2. Is having a magnetic field (magnetosphere) a good thing?
Explain your answer. (3 marks)
3. What happens during polar reversal (1 mark)
4. What will be badly affected by polar reversal? Explain your answer (4 marks)
5. Are we all in danger? (2 marks)

Hints

Do not rely on only one source of information and select them carefully.

A diagram or sketch is easier to understand if it is clearly annotated.

Take rough notes and collect information for your bibliography.

Use words/vocabulary that are scientific and demonstrate your understanding well.

Don't leave it to the last minute.

Vocabulary (Fill in your vocab.)

Magnetosphere

Magnetic pole

This work is due on
