

This is an example of one of our educational worksheets - for Whiteleaf Hill Nature Reserve.

For more information contact us through the website: www.bucksgeology.org.uk

1. As you walk from the car park **towards the Whiteleaf Hill viewpoint** you can often see uprooted trees beside the path. Find one.

Question: What rocks can you see in the muddy roots?

2. On the grassy area at the **viewpoint** get down on your hands and knees and look closely at the soil seen between the grass.

Question: What colour is it?

(for instance black, dark brown, red-brown, light brown)

Question: Take a soil pH reading as your teacher has shown you. What is your pH reading?

3. Walk to the interpretation board and down to the **Whiteleaf Cross**.

Question: What rock can you see exposed by the cutting of the cross into the hill?

Question: What colour is this rock?

Question: So, using your observations of the tree roots, the soil type and the Cross what rock makes up Whiteleaf Hill?

4. Looking at the **view from the interpretation board**, let your eyes follow the hill round from your feet as far as you can in both directions onto the far horizons. It forms a steep edge both ways.

Question: do you know what this kind of steep edge is called?

Question: do you think that the rock beneath the surface in the valley in front of you is the same as the hill (yes or no)?

Question: why?

5. In the **woods** take a look at the soil.

Question: What colour is the soil (is it lighter or darker than the grassy soil)?

Question: what is the pH?