

COAL PRACTICAL

1. Plot a bar graph of the coal series. Draw a vertical bar 10cm high and 1cm wide and divide it into sections representing the composition of wood. Wood contains 45% carbon, 50% oxygen and 5% hydrogen. Now do the same for the other fuels. Describe the changes in C O and H briefly.

	peat	lignite	bituminous coal	anthracite
carbon	60	71	84	96
oxygen	35	25	12	2
hydrogen	5	4	4	2

2. If one centimetre of peat is deposited each year and each centimetre of peat compresses to one millimetre of coal, how long will a 2 metre thick coal seam have taken to deposit.
3. A miner is following along a coal seam and he finds that the coal ends abruptly against a sandstone. What explanations are there for this?