Earth Materials Progress Check

Name

Date

		Learning Outcomes	✓☺	?😐	✗☹
1		I can describe the earth's structure			
2		I can label the inner core, outer core, mantle and crust and describe the composition of each.			
3		I can describe a rock as a mineral or mixture of minerals found in the earth's crust.			
4		I can describe a mineral as a solid element/compound that occurs naturally.			
5		I have researched the formation, characteristics and uses of at least 2 common minerals			
6		I can state that most metals are found in the Earth's crust in the form of compounds.			
7		I can state that rocks that contain large amounts of particular metal compounds are known as ores.			
8		I can state 3 examples of ores and metals that come from them (aluminium from bauxite, iron from haematite, and copper from malachite).			
9		I can state that some metals can be extracted by electrolysis. (e.g aluminium)			
10		I can carry out an experiment to electrolyse copper chloride and hence extract copper			
11		I can write a word equation for the electrolysis of aluminium oxide			
12		I can state that some metals (e.g silver) are extracted from their ores by heat			
13		I can state three uses of aluminium, iron, copper and explain why they are suitable for these uses.			
14		I can classify the three rock types as igneous, sedimentary and metamorphic			
15		I can state at least 1 example and use of each rock type			
16		I can describe physical, chemical and biological weathering			
17		I can draw a rock cycle to show how all rocks started initially as igneous rocks.			
18		I can extract chlorine from sea water through electrolysis.			
19		I can describe the composition of soil as made up of minerals from weathered rocks and organic matter			
20		I can state that loam, sand and clay are all different types of soil.			
21		I can describe the formation and characteristics of loam, sandy, peaty and clay soil types			

| 22 | I can state uses of loam, sand and clay. | | | 22 | |

In this topic I have successfully…………………………………………………………………….

To make further progress I should……………………………………………………………..

Target: In the next topic I will…………………………………………………………………..