



## 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 can state that most metals are found in the Earth's crust in the form of compounds.			
6	I can state that rocks that contain large amounts of particular metal compounds are known as ores.			
7	I can state 3 examples of ores and metals that come from them (aluminium from bauxite, iron from haematite, and copper from malachite).			
8	I can state that some metals can be extracted by electrolysis. (e.g aluminium)			
9	I can carry out an experiment to electrolyse copper chloride and hence extract copper			
10	I can write a word equation for the electrolysis of aluminium oxide			
11	I can state that some metals (e.g silver) are extracted from their ores by heat			
12	I can state three uses of aluminium, iron, copper and explain why they are suitable for these uses.			
13	I can classify the three rock types as igneous, sedimentary and metamorphic			
14	I can state at least 1 example and use of each rock type			
15	I can describe physical, chemical and biological weathering			
16	I can draw a rock cycle to show how all rocks started initially as igneous rocks.			
17	I can explain why the sea is salty.			
18	I can carry out an experiment to extract salt from sea water.			
19	I can describe the composition of soil as made up of minerals from weathered rocks and organic matter			
20	I can extract chlorine from sea water through electrolysis.			

In this topic I have successfully.....

To make further progress I should.....

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