

## C7 – Earth Materials and recycling Key Questions

	Question	Answer
1	What are the 3 layers inside the Earth?	Crust, mantle, core
2	What do we call the large pieces of crust?	Tectonic plates
3	How does the Earth transfer heat energy from the core?	Convection currents in the mantle
4	What do convection currents do when they reach the crust?	Make the tectonic plates move
5	How fast do tectonic plates move?	A few cm every year
6	At what plate boundary are plates destroyed?	destructive/ convergent/ subduction zone
7	At what plate boundary are plates made?	constructive/ divergent
8	What features are found at plate boundaries?	volcanos, earthquakes, useful materials
9	What is the Rock cycle?	Sequence of processes where rocks change from one type to another.
10	What is Weathering?	The wearing down of rock by physical, chemical or biological processes.
11	What is Erosion?	Movement of rock by water, ice or wind (transportation).
12	What are Minerals?	Chemicals that rocks are made from, a metal or metal compound.
13	What are Sedimentary rocks?	Rocks formed from layers of sediment, and which can contain fossils.
14	Give 3 examples of sedimentary rocks	Limestone, chalk and sandstone.
15	What are Strata?	Layers of sedimentary rock.
16	What are Igneous rocks?	Rocks formed from cooled magma, with minerals arranged in crystals.
17	Give 3 examples of igneous rocks.	Granite, basalt and obsidian.
18	Why is obsidian glass?	Cooled rapidly, no time for crystals to form
18	Why has granite got large crystals	Cooled slowly, lots of time for crystals to form
19	What are Metamorphic rocks?	Rocks that formed from existing rocks due to heat and pressure over a long time.
20	Give 3 examples of metamorphic rocks	Marble, slate and schist.

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