



Year 10 Geology End of Year Exam Revision List

Key Question 1					Key Question 2	
Minerals	Igneous Rocks	Sedimentary Rocks	Metamorphic Rocks	Geological Structures	Rock Cycle	Plate Tectonics
<ul style="list-style-type: none"> - What are minerals and rocks? - What are the main mineral tests? - How do minerals form? 	<ul style="list-style-type: none"> - What are igneous rocks, how do they form and how are they described? - How does the rate of cooling control grain size in Igneous Rocks? - What are the main characteristics of igneous bodies and how can they be identified? - Where are igneous rocks formed and how does their location control the features produced? - How are igneous Rocks Classified? 	<ul style="list-style-type: none"> - What are the main types of weathering? - Why are some rocks affected by weathering more than others? - What are the main erosive and transport processes that affect rocks? - How can deposits tell us about how they were deposited? - How can sedimentary rocks be described and classified? - In what environments do sedimentary rocks form? - What are the main sedimentary structures and in what environments do they form? - What is porosity and permeability? 	<ul style="list-style-type: none"> - What is metamorphism and what are the characteristic features of metamorphic rocks? - What are the characteristics of contact metamorphic rocks and how do they form? - What are the characteristics of regional metamorphic rocks and why do they form? 	<ul style="list-style-type: none"> - What is the principal of original horizontality and how can it be used to work out what has happened to rock exposures? - What causes folding and how is it described in the rock record? - To be able to recognise and describe faults - What are unconformities, how are they recognised and what events formed them? - What are the main principles and laws? - How can we date rocks (relatively and absolutely)? - How do geologists know the absolute dates of rocks? 	<ul style="list-style-type: none"> - What are the processes rocks undergo in the rock cycle? - How are diagrams of the rock cycle interpreted? - What is the evidence in the rock record that geological processes take place at different rates? 	<ul style="list-style-type: none"> - How does the structure of the Earth allow plate tectonics? - What is plate tectonics and continental drift? - What is plate tectonics and what are plate margins (boundaries)? - What are the features and processes operating at: Divergent; Convergent (O-O,)-C, C-C); Conservative margins, Intra-plate (Rift Valleys and Hotspots).

