

## AS: Checklist for Rocks and Weathering Topic

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Checklist for revision	Understand and know it	Need more revision	Do not understand- Must revise
I can describe the structure of the earth's interior in good detail			
I know how the plate boundaries of the earth are distributed			
I understand what convection currents are and why plates move			
I can name the 4 types of plate boundary and the movements which occur at them			
I understand the processes that occur at divergent plate boundaries and can explain sea floor spreading and creation of ocean ridges			
I understand the processes that occur at convergent plate boundaries and can explain the creation of ocean trenches, subduction zones, island arcs and benioff zones			
I know where mountains are formed and why			
I can explain the difference between erosion and weathering			
I can explain the processes of mechanical weathering (freeze-thaw, salt crystallization, exfoliation)			
I can explain the processes of chemical weathering (carbonation, hydrolysis, hydration and oxidation)			
I understand how climate, porosity, permeability, mineral composition and joint patterns affect weathering rates			
CASE STUDY: I can describe and explain the formation of Karst (Limestone) scenery			
CASE STUDY: I can describe and explain the formation of Granite Scenery (tors)			
I know what mass movement is and can classify different types of mass movement into different groups			
I know the meanings of the following terms; surface wash, sheet wash, heave, talus creep, rain splash, falls, rockslides, landslides			
I know the causes of mass movements ( why they occur)			
CASE STUDY: I can describe the causes and effects of mass movements in Italy in 1963			
I can describe how humans are influencing rocks in different areas			
I know how mining is affecting rocks			
I know what acid rain is			
CASE STUDY: I can explain the causes and effects of acid rain			