Memory Geogger

What is weathering? Fill in the gaps to explain each to mechanical weathering.	type of	Identify the below.	type of weathe	ering shown	
Freezeenters the rock and The ice expands by around%. This causes pressure on the rock until it Salt weathering spray from the sea gets into ain a rock. It may evaporate and, putting pressure on the surrounding rock and weakening the structure.		Match the ty to its definit Carbonation Hydrolysis Oxidation	/pe of chemica ion. is when rocks are to oxygen and water. slightly acidic (carto water comes into co sedimentary rock, or chalk, and cause is when acidic rain down the rock, cau	e of chemical weathering h. when rocks are broken down by kygen and water. ightly acidic (carbonic) rain or sea ater comes into contact with edimentary rock, such as limestone r chalk, and causes it to dissolve. when acidic rainwater breaks own the rock, causing it to rot.	
Mechanical or chemical weather identify whether they are feature The breakdown of rock through changing its chemical composition. Salt crystallises and puts pressure on surrounding rock and causes it to break away.	ok at the chai chanical or ch anging its cher on. ter comes into ith sedimentary to dissolve.	racteristics belover the semical weather stress belover the semical weather stress belover the semical of the semical of the semical break down water enter semical freezes, example and cause	ow and ering. nd water vn rocks. ers a crack, xpands by 9% es it to crack.		

Memory Geogger

What is weathering? Weathering is the break down of rock in situ by the action of rainwater, extremes of temperature, and biological activity.	Identify the type of weathering shown below. Freeze-thaw weathering (a form of mechanical weathering).
Fill in the gaps to explain each type of mechanical weathering. Freeze-thaw <u>Water</u> enters the rock and <u>freezes</u> . The ice expands by around <u>9%</u> (+/- 1). This causes pressure on the rock until it <u>cracks/shatters</u> . Salt weathering <u>Salt spray from the sea gets into a</u> <u>crack in a rock. It may evaporate</u> and <u>crystallise</u> , putting pressure on the surrounding rock and weakening the structure.	Match the type of chemical weathering to its definition. Carbonation Hydrolysis Oxidation Match the type of chemical weathering is when rocks are broken down by oxygen and water. Slightly acidic (carbonic) rain or sea water comes into contact with sedimentary rock, such as limestone or chalk, and causes it to dissolve. Swhen acidic rainwater breaks down the rock, causing it to rot.

Mechanical or chemical weathering? Look at the characteristics below and identify whether they are features of mechanical or chemical weathering.

The breakdown of rock	The breakdown of rock	Oxygen and water
through changing its chemical	without changing its chemical	break down rocks.
composition. (chemical)	composition. (mechanical)	(chemical)
Salt crystallises and puts	Acidic water comes into	Water enters a crack,
pressure on surrounding rock	contact with sedimentary rock	freezes, expands by 9%
and causes it to break away.	causing it to dissolve.	and causes it to crack.
(mechanical)	(chemical)	(mechanical)