

Weathering refers to the processes that break down rocks, changing Earth's surface over time.

Drag and drop:

<u>physical weathering</u>	<u>chemical weathering</u>
The process of breaking rock into small pieces .....(1).....the composition of the rock is.	The process of .....(2).....the composition of rock and minerals by exposure to water and the atmosphere is called
<b>Frost wedging</b> is what occurs when water in rocks freezes and melts repeatedly, breaking the rocks apart.	<b>OXIDATION OCCURS</b> when free oxygen combines chemically with metallic elements (usually iron) AKA <b>RUST</b>
(3)	(4)

- changing
- without changing

The roots of plants can grow into cracks in rock and eventually break the rock.

(5)

Water containing carbonic acid dissolves minerals (all rain water is slightly acidic)

Most strongly affected are calcite minerals:

**limestone and marble**



(6)



Water-filled crack



Freezes to ice



Breaks Rock

