being exposed to the weather

water and ice

cold

heat

wind

weathering

breaks down

transportation of sediment

by wind, water, ice or gravity

erosion

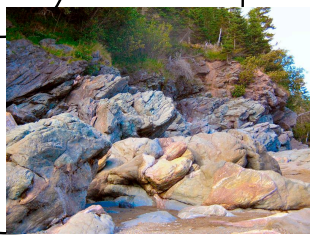
processes have not changed

same processes today as in the past

uniformitarianism

rock is broken into smaller pieces

mechanical erosion



grinding away rock

by other rock

abrasion

by water, ice, wind or gravity

water gets into cracks

water freezes

water expands when it freezes

ice wedging

breaks down rock

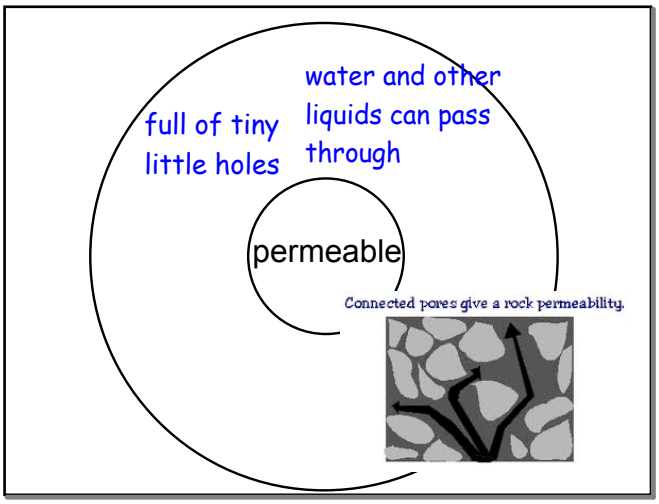
through chemical changes

chemical weathering

iron and oxygen combine

called rust

oxidation


water and other
liquids can pass
through
full of tiny
little holes
permeable
Connected pores give a rock permeability.