

SOIL FORMATION

FILL IN THE BLANKS



SOIL IS FORMED BY THE OF ROCKS. WEATHERING IS THE DECOMPOSITION OF THE EARTH'S ROCKS THROUGH DIRECT CONTACT WITH THE ELEMENTS OF THE WEATHER LIKE HEAT, WIND AND ICE.

BED ROCK DISINTEGRATES OVER A LONG PERIOD OF TIME TO FORM SMALL MINERAL PARTICLES WHICH BECOME MIXED WITH ORGANIC MATERIALS, AIR AND WATER TO FORM A COMPLEX MIXTURE CALLED



THE TYPE OF SOIL FORMED DEPENDS ON THE BEDROCK ALSO KNOWN AS

MATCH THE PARENT ROCK TO THE RESULTING SOIL:

ROCK TYPE

SHALE

SANDSTONE

QUARTZ

SOIL

CLAY

SILT

SAND

THERE ARE THREE FORMS OF WEATHERING: MECHANICAL/PHYSICAL, CHEMICAL AND BIOLOGICAL

CHOOSE THE CORRECT DESCRIPTION FOR EACH ACTIVITY:

OXIDATION OF MINERALS IN ROCKS

FREEZE THAW BREAKDOWN OF ROCK

WATER IN STREAMS DISLODGE AND CARRY AWAY ROCK FRAGMENTS

WATER DISSOLVING ROCK MINERALS

WIND CONTAINING SAND WEARS AWAY THE SURFACES OF ROCKS

GROWING ROOTS SPLIT OPEN ROCKS

HEAVY RAIN DISLODGES ROCK FRAGMENTS AND WASHES THEM AWAY.

EXPANSION AND CONTRACTION AS ROCKS HEATED BY THE SUN COOL DOWN.

CUTTING AWAY OF ROCK BY MOVING GLACIER.

ORGANIC ACIDS RELEASED BY ROTTING PLANT ROOTS AND DEAD ANIMALS BREAK DOWN ROCKS.

WHAT TYPE OF WEATHERING?

