

Name: _____

Geology Fieldtrip Worksheet

Sedimentary Rocks:

Complete the time sequences by writing the letters in order with the oldest to the left, and the youngest to the right.

1.) A B C D

2.) N X Z C G Q

3.) T R J D S A M Y

What two forces are used to make Sedimentary Rocks:

Cementing and Compacting

Word Bank:

Cementing

Compacting

Heat

Pressure

Metamorphic Rocks:

What two forces are used to make Metamorphic

Rocks: Heat and
Pressure.

Before: How many rocks: 2

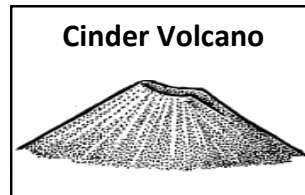


After: How many rocks: 1

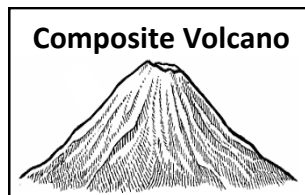


Igneous Rocks:

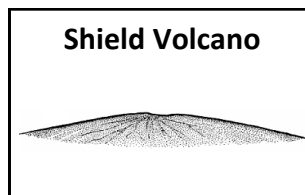
What is viscosity: How runny something is



High Viscosity
(Pudding)



Medium Viscosity
(Syrup)



Low Viscosity
(Water)

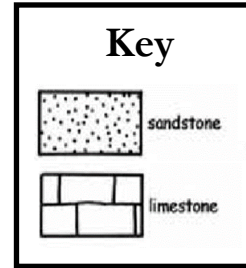
Cross Section at Wesley Creek & Quarry

Sandstone vs Limestone

Sandstone	<u>Soft</u> <u>Formed in beach-like environment</u>
Limestone	<u>Hard</u> <u>Fossils</u> <u>Formed in shallow sea</u>

Word Bank:

Hard Soft Fossils
 Formed in beach-like environment Formed in shallow sea (coral reef)



Site One: Quarry

Type of rock exposed: Limestone

MYA: 320-330 MYA

How was this exposed: Humans

Describe the environment in which the rock was formed: _____

Formed in a shallow sea

Site Two: Wesley Creek

Type of rock exposed: Sandstone

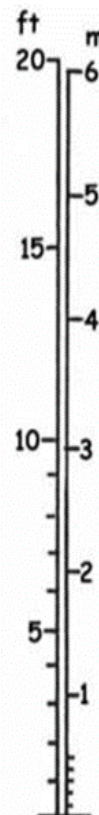
MYA: 330-340 MYA

How was this exposed: Water Erosion

Describe the environment in which the rock was formed: _____

Beach-like environment

Pella
 Formation
 320-330 MYA



St Louis
 Formation
 330-340 MYA

