

# FORMATION OF SEDIMENTS

\_\_\_\_\_ is the creation of smaller pieces of rock through physical or chemical means.

\_\_\_\_\_ is the moving of sediments from their original position.

\_\_\_\_\_ is the settling out of sediment.

\_\_\_\_\_ is the process by which sediment is squeezed and glued together into a new rock.

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# EXAMPLES SEDIMENTARY

# METAMORPHIC

# IGNEOUS

# ROCK

Created from the \_\_\_\_\_ and solidification of \_\_\_\_\_ or \_\_\_\_\_.  
The rock's crystal \_\_\_\_\_ depends on how \_\_\_\_\_ it cools.

! Any type of rock can become another type, given the right conditions!

# ROCK

Created from the \_\_\_\_\_ of \_\_\_\_\_ in layers over long periods of time. It often contains \_\_\_\_\_.

# ROCK

Existing rock is subjected to very high \_\_\_\_\_ and \_\_\_\_\_.  
This usually takes place deep \_\_\_\_\_.

# THE

# ROCK CYCLE

# FORMATION OF SEDIMENTS

# EXAMPLES

weathering is the creation of smaller pieces of rock through physical or chemical means.

erosion is the moving of sediments from their original position.

deposition is the settling out of sediment.

compaction & cementation is the process by which sediment is squeezed and glued together into a new rock.

## SEDIMENTARY

shale  
limestone  
conglomerate

## METAMORPHIC

gneiss  
marble  
schist

## IGNEOUS

pumice  
obsidian  
granite

# IGNEOUS ROCK

Created from the cooling and solidification of magma or lava.  
The rock's crystal size depends on how quickly it cools.

# SEDIMENTARY ROCK

Created from the deposition of sediments in layers over long periods of time. It often contains fossils.

# METAMORPHIC ROCK

Existing rock is subjected to very high heat and pressure. This usually takes place deep underground.

! Any type of rock can become another type, given the right conditions!

MELTING

WEATHERING, EROSION & DEPOSITION

HEAT & PRESSURE

MELTING

WEATHERING, EROSION & DEPOSITION

HEAT & PRESSURE

# THE

# ROCK CYCLE