



Name _____

Date _____

(Key # 1 - 621618)

Earth Science - Chapter 3

Complete the crossword puzzle.

The crossword puzzle grid consists of 20 numbered starting points for words. The grid is set against a gray background. The pre-filled letters are as follows:

- 1: A
- 2: A
- 6: I
- 9: M
- 10: O, T
- 11: G
- 12: D
- 14: K
- 19: R
- 20: O, E

The grid is composed of white squares for letters and gray squares for empty space. The numbered squares are:

- 1: Row 1, Column 4
- 2: Row 1, Column 5
- 3: Row 2, Column 2
- 4: Row 2, Column 8
- 5: Row 3, Column 3
- 6: Row 3, Column 5
- 7: Row 3, Column 6
- 8: Row 3, Column 9
- 9: Row 4, Column 1
- 10: Row 4, Column 5
- 11: Row 4, Column 6
- 12: Row 4, Column 1
- 13: Row 5, Column 6
- 14: Row 5, Column 1
- 15: Row 5, Column 2
- 16: Row 5, Column 6
- 17: Row 5, Column 7
- 18: Row 5, Column 8
- 19: Row 6, Column 4
- 20: Row 6, Column 1

**NONFOLIATEDMETAMORPHICROCK
CHEMICALSEDIMENTARYROCK
EXTRUSIVEIGNEOUSROCK
METAMORPHICROCK
CEMENTATION
COMPACTION
MAGMA
LAVA
IGNEOUSROCK
EROSION
DEPOSITION**

**WEATHERING
METAMORPHISM
INTRUSIVEIGNEOUSROCK
FOLIATEDMETAMORPHICROCK
MINERAL
SEDIMENTARYROCK
ROCKCYCLE
CLASTICSEDIMENTARYROCK
SEDIMENTS
ROCK**

Across

- 1 A natural occurring, inorganic crystalline material with a unique chemical composition.
- 6 Solidification of sediments by the deposition of dissolved minerals in the tiny spaces between sedimentary particles.
- 9 A sedimentary rock made of broken fragments of preexisting rock. (3 words)
- 10 The process by which an agent of erosion loses energy and drops the sediment it is carrying.
- 11 Process by which sediments are squeezed together by the weight of overlying materials driving out water.
- 12 Magma that reaches the Earth's surface.
- 13 Loose particles created by weathering and erosion of rock, by chemical precipitation from solution in water, or from the secretions of organisms and transported by water, wind, or glaciers.
- 14 Rock formed by from weathered products of preexisting rocks that have been transported, deposited, compacted, and cemented. (2 words)
- 16 A body of molten rock found at depth including any dissolved gases and crystals.
- 18 A consolidated mixture of minerals.
- 19 Igneous rock that formed below the Earth's surface (3 words)
- 20 A metamorphic rock with a texture that gives the rock a layered appearance. (3 words)

Down

- 2 Igneous rock that has formed on the Earth's surface (3 words)
- 3 Rock formed by the alteration of preexisting rock deep within the Earth by heat, pressure, and/or chemically active fluids. (2 words)
- 4 A model that illustrates the origin of the three basic rock types and the interrelatedness of Earth materials and processes. (2 words)
- 5 The changes in mineral composition and texture of a rock subjected to high temperature and pressure within the Earth.
- 7 Metamorphic rock that does not exhibit a banded or layered appearance. (3 words)
- 8 A rock formed by the crystallization of molten magma (2 words)
- 9 Sedimentary rock consisting of material that was precipitated from water by inorganic or organic means. (3 words)
- 15 The incorporation and transportation of material by a mobile agent, such as water, wind, or ice.
- 17 The disintegration and decomposition of rock at or near the Earth's surface.



Earth Science - Chapter 3

Complete the crossword puzzle.

1 M I N E R A L

X

3 M E T

5 M E U

6 C E M E N T A T I O N

4 R O C K

8 I G N E O U S

9 C L A S T I C S E D I M E N T A R Y R O C K

H M A I F C N

E O M V D E P O S I T I O N Y E

M R O E L C O

I P R I L U

C H P G C O M P A C T I O N E S

12 L A V A I H N T R O C K

L C I E S E D I M E N T A R Y R O C K

S R S O D S E D I M E N T S O C

E O M U S E D I M E N T A R Y R O C K

I R O T S M A G M A

M E W I M

N E A R O C K

T A T H P

A R H

Y E I N T R U S I V E I G N E O U S R O C K

R R C

20 F O L I A T E D M E T A M O R P H I C R O C K

C N O

K G C K