



## Rocks and the Rock Cycle

20 Questions

NAME : \_\_\_\_\_

CLASS : \_\_\_\_\_

DATE : \_\_\_\_\_

1.



This rock formed when bits of other rocks became pressed into a solid. What type of rock is it?

- ☐ a) Sedimentary Rock ☐ b) Metamorphic Rock
- ☐ c) Igneous Rock

2. This rock was formed when molten rock cooled into a solid.  
What type of rock is it?

- ☐ a) Igneous Rock ☐ b) Metamorphic Rock
- ☐ c) Sedimentary Rock

3. When you watch a volcano erupt molten rock, you are seeing \_\_\_\_

- ☐ a) Lava ☐ b) Magma
- ☐ c) Mineral Crystals ☐ d) Igneous Rocks

4. What are the 3 major types of rocks?

- ☐ a) Igneous, Metamorphic, Sedimentary ☐ b) Metamorphic, Igneous, Cementation
- ☐ c) Brown, Red, Gray ☐ d) Streak, Hardness, Breakage

5.



This rock was formed by smaller pieces of rock that settled at the bottom of a lake millions of years ago. What type of rock is this?

- ☐ a) Sedimentary
- ☐ c) Metamorphic

☐ b) Igneous

6. Which of the words below describe mud, sand, and tiny bits of rocks that cement together to form a type of rock?

- ☐ a) stalactites
- ☐ c) metamorphs

- ☐ b) magmas
- ☐ d) sediments

7.

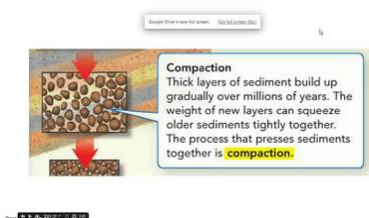


This rock was found near the mouth of a volcano. What type of rock is this?

- ☐ a) Sedimentary
- ☐ c) Metamorphic

☐ b) Igneous

8.



When sediments are pressed together tightly, this is called \_\_\_\_\_.

- ☐ a) Compaction
- ☐ c) Weathering

- ☐ b) Cementation
- ☐ d) Erosion

9. The process in which dissolved minerals crystallize and glue sediment together.

- ☐ a) compaction ☐ b) deposition
- ☐ c) organic rock ☐ d) cementation

10.



The process when rocks break into smaller pieces due to exposure to natural elements is called

- ☐ a) erosion ☐ b) weathering
- ☐ c) sediments

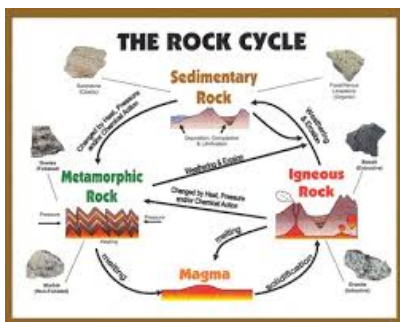
11. The movement of weathered material (sediment) is called?

- ☐ a) weathering ☐ b) erosion
- ☐ c) deposition

12. Extreme Heat and Pressure creates a \_\_\_\_\_ rock.

- ☐ a) Igneous ☐ b) Metamorphic
- ☐ c) Sedimentary ☐ d) Mineral

13.



Each rock type can follow only one pathway of the rock cycle.

- ☐ a) True ☐ b) False

14. You find a rock in which the grains are arranged in parallel bands of white and black crystals. The rock is probably a(n)

- ☐ a) Igneous rock
- ☐ b) Sedimentary rock
- ☐ c) Metamorphic rock
- ☐ d) Extrusive rock

15. The three groups of rocks are classified by

- ☐ a) How they form
- ☐ b) Color
- ☐ c) Grain size
- ☐ d) Chemical Composition

16.



Rocks are formed by

- ☐ a) minerals
- ☐ b) other metals
- ☐ c) small particles
- ☐ d) sediments

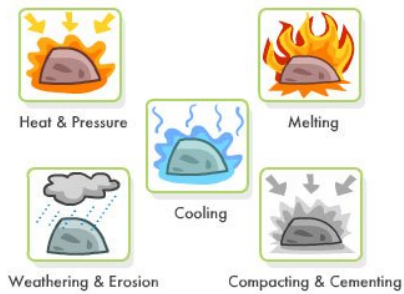
17.



Heat & pressure

- ☐ a) metamorphism
- ☐ b) volcanism
- ☐ c) magmarism
- ☐ d) lithification

18.

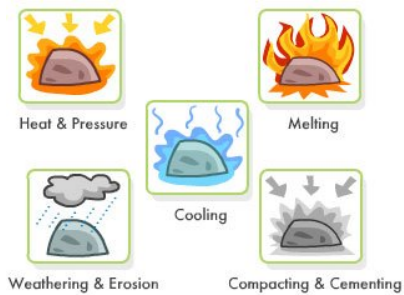


Cooling &amp; crystalization produce

- ☐ a) igneous rocks
- ☐ c) sedimentary rocks

☐ b) metamorphic rocks

19.



Deposition &amp; lithification or compacting &amp; cementing produce

- ☐ a) sedimentary rocks
- ☐ c) metamorphic rocks

☐ b) igneous rocks

20. True or False: Once a rock is sedimentary, it cannot become an igneous rock.

☐ a) True

☐ b) False

**Answer Key**

1. a  
2. a  
3. a  
4. a  
5. a

6. d  
7. b  
8. a  
9. d  
10. b

11. b  
12. b  
13. b  
14. c  
15. a

16. a  
17. a  
18. a  
19. a  
20. b