



## Metamorphic Rocks

18 Questions

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

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

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

1. How do metamorphic rocks form?

- ☐ a) Heat and Pressure
- ☐ b) Compaction & Cementation
- ☐ c) Cooling of Magma
- ☐ d) Sediments & Glue

2. Metamorphic rocks form from \_\_\_\_.

- ☐ a) igneous rocks
- ☐ b) other metamorphic rocks
- ☐ c) sedimentary rocks
- ☐ d) all types of rocks

3. Granite forms what type of metamorphic rock?

- ☐ a) slate
- ☐ b) marble
- ☐ c) gneiss
- ☐ d) quartzite

4.



What is the name of this Metamorphic Rock?

- ☐ a) Schist
- ☐ b) Slate
- ☐ c) Gneiss
- ☐ d) Marble

5. Which of these is a metamorphic rock?

- ☐ a) Gneiss
- ☐ b) Granite
- ☐ c) Scoria
- ☐ d) Conglomerate

6. Which of these is a metamorphic rock?

☐ a) pumice

☐ b) sandstone

☐ c) slate

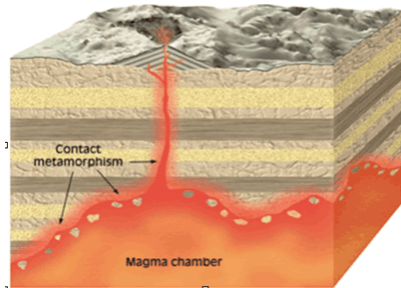
☐ d) coal

7. The deeper a rock is buried, the greater the pressure is on it

☐ a) True

☐ b) False

8.



\_\_\_\_\_ metamorphism occurs when magma heats the surrounding rock and changes it.

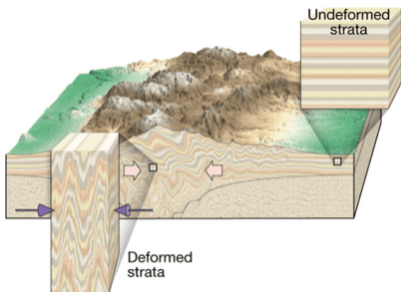
☐ a) Regional

☐ b) Forced

☐ c) Igneotrophic

☐ d) Contact

9.



\_\_\_\_\_ metamorphism occurs when rock formations in the crust collide and build pressure

☐ a) Regional

☐ b) Forced

☐ c) Igneotrophic

☐ d) Contact

10.



This rock was once sandstone but was altered by extreme heat and pressure. What is it likely to be now?

☐ a) Gneiss

☐ b) Quartzite

☐ c) Marble

☐ d) Slate

11. What sedimentary rock is changed into slate during metamorphism?

- ☐ a) Shale ☐ b) Limestone
- ☐ c) Sandstone ☐ d) Breccia

12. Which of the following is a metamorphic rock?

- ☐ a) schist ☐ b) basalt
- ☐ c) limestone ☐ d) shale

13.

Classifying (Parent Rocks)			
Foliated		Non-Foliated	
Parent Rock	Metamorphic Rock	Parent Rock	Metamorphic Rock
Granite	Gneiss	Limestone	Marble
Shale	Slate	Sandstone	Quartzite

What subjected to intense heat and pressure granite can become

- ☐ a) sandstone ☐ b) gneiss
- ☐ c) quartzite ☐ d) slate

14. Which of these is a metamorphic rock?

- ☐ a) Granite ☐ b) Quartzite
- ☐ c) Shale ☐ d) Basalt









15.



Sandstone can be converted into the very hard and angular rock of the type shown in the picture. It is the extreme heat and pressure associated with tectonic compression where two plates come together at a convergent boundary that produces this hard and attractive rock. If sandstone is the parent rock, which of the following could be the type of rock shown?

- ☐ a) anthracite coal ☐ b) marble
- ☐ c) granite ☐ d) quartzite

16.









Classifying (Parent Rocks)			
Foliated		Non-Foliated	
Parent Rock	Metamorphic Rock	Parent Rock	Metamorphic Rock
Granite 	Gneiss 	Limestone 	Marble 
Shale 	Slate 	Sandstone 	Quartzite 

Marble is the metamorphic rock. What is the parent rock?

- ☐ a) sandstone
- ☐ c) granite

- ☐ b) limestone
- ☐ d) shale

17.









Classifying (Parent Rocks)			
Foliated		Non-Foliated	
Parent Rock	Metamorphic Rock	Parent Rock	Metamorphic Rock
Granite 	Gneiss 	Limestone 	Marble 
Shale 	Slate 	Sandstone 	Quartzite 

What is the parent rock of slate

- ☐ a) sandstone
- ☐ c) granite

- ☐ b) limestone
- ☐ d) shale

18.

Classifying (Parent Rocks)			
Foliated		Non-Foliated	
Parent Rock	Metamorphic Rock	Parent Rock	Metamorphic Rock
Granite 	Gneiss 	Limestone 	Marble 
Shale 	Slate 	Sandstone 	Quartzite 

What metamorphic rock is the result of heat and pressure on sandstone?

- ☐ a) sandstone
- ☐ c) quartzite

- ☐ b) limestone
- ☐ d) shale

**Answer Key**

1. a  
2. d  
3. c  
4. c  
5. a

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

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

16. b  
17. d  
18. c