

Types of Rocks and Lithosphere

1. Artesian wells are formed in:

- A. Basalt rocks
- B. Aquifer rocks
- C. Coral rocks
- D. Dykes

2. Earth's crust below the oceans is composed of:

- A. Igneous rocks
- B. Sedimentary rocks
- C. Metamorphic rocks
- D. Slate

3. In which type of rocks are metals like gold and copper mostly found?

- A. Old sedimentary
- B. Old igneous
- C. Old metamorphic
- D. New metamorphic

4. Dolerite is an example of:

- A. Dyke
- B. Batholith
- C. Lacolith
- D. Lopolith

5. Which of the following is an Argillaceous rock?

- A. Shale
- B. Sandstone
- C. Limestone
- D. Slate

6. Coal is an example of:

- A. Sedimentary rocks
- B. Sand dune
- C. Metamorphic rocks
- D. None of these

7. Rocks which are formed by the solidification of lava, are:

- A. Basalts
- B. Sandstone
- C. Limestone
- D. Granites

8. The lightest layer of the earth is:

- A. Nife
- B. Sima
- C. Sial
- D. Mantle

9. The core of the earth is also known as:

- A. Lithosphere
- B. Barysphere
- C. Besosphere
- D. Centrosphere

10. Which of the following rocks is metamorphic equivalent of sandstone?

- A. Marble
- B. Quartzite
- C. Geniss
- D. Granite

11. Artesian wells are found in:

- A. Igneous rocks
- B. Sedimentary rocks
- C. Metamorphic rocks
- D. None of these

12. Sedimentary rocks are formed by the process of:

- A. Metamorphism
- B. Deposition
- C. Weathering
- D. Solidification

13. Sand stone belongs to:

- A. Arenaceous rocks
- B. Argillaceous rocks
- C. Carbonaceous rocks
- D. Calcareous rocks

14. In which type of rocks are coal and petroleum found?

- A. Granite
- B. Igneous
- C. Sedimentary
- D. Metamorphic

15. Gmt is another name for:

- A. Shale
- B. Sandstone
- C. Granite
- D. Breccia

16. Innermost part of earth is made of:

- A. SiAl
- B. SiMa
- C. NiFe
- D. Ag

17. Which one of the following is not a sedimentary rock?

- A. Marble
- B. Limestone
- C. Sandstone
- D. Shale

18. Which metal is most abundant in the earth's crust?

- A. Calcium
- B. Magnesium
- C. Aluminum
- D. Iron

19. Which of the following rocks is transformed into marble?

- A. Limestone
- B. Granite
- C. Peat
- D. Shale

20. Which of the following is a metamorphic rock?

- A. Slat
- B. Sandstone
- C. Peat
- D. Shale

21. What is anthracite?

- A. A dark colour sandstone
- B. A soft limestone
- C. A hard shinny black coal
- D. None of these

22. Which of the following layers of the earth is believed to have the heaviest mineral materials of highest density?

- A. Central core
- B. Crust
- C. Mantle
- D. Lithosphere

Igneous, Sedimentary and Metamorphic Rocks

1. Minerals that are formed only at high temperature in metamorphism are

- A. metamorphic minerals
- B. allotropic minerals
- C. ultramafic minerals
- D. mafic minerals

2. Scientific discipline which studies the structure, origins and properties of sedimentary rocks is classified as

- A. pedology
- B. sedimentology
- C. morphology
- D. geology

3. Rocks that are formed through the solidification and cooling of lava are classified as

- A. allotropic rocks
- B. metamorphic rocks
- C. igneous rocks
- D. sedimentary rocks

4. Place at which these large-scale sedimentation occurs is classified as

- A. fabric of rocks
- B. bed of rocks
- C. fossil bed
- D. sedimentary basins

5. Rocks that are formed at surface of crust due to melting of rocks are classified as

- A. fabric of igneous rocks
- B. extrusive igneous rocks

C. intrusive igneous rocks

D. igneous sediments

6. Rocks that are formed of particles of shells, pebbles and sands are classified as

A. igneous rocks

B. sedimentary rocks

C. tectonic rocks

D. metamorphic rocks

7. Igneous rocks that have highest content of silica are known as

A. ultramafic rocks

B. mafic rocks

C. felsic rocks

D. porphyry

8. The transformation of existing types of rocks are classified as

A. carbonite rocks

B. metamorphic rocks

C. igneous rocks

D. sedimentary rocks

9. Example of igneous rocks is

A. basalt

B. carbonite

C. granite

D. limestone

10. Crystals of igneous rocks that can be seen with naked eyes are known as

A. phaneritic

B. aphanitic

C. porphyry

D. pyroclastic

11. One which is not considered as fundamental groups of rocks is

A. tectonic rocks

B. metamorphic rocks

C. igneous rocks

D. sedimentary rocks

12. Intrusive igneous rocks that are formed at depth within crust of planet are classified as

- A. gamma-abyssal
- B. alpha-abyssal
- C. hypabyssal
- D. abyssal

13. Extrusive rocks are also known as

- A. sediments
- B. molasses
- C. volcanic rocks
- D. plutonic rocks

14. Types of metamorphism are

- A. contact metamorphism
- B. allotropic metamorphism
- C. regional metamorphism
- D. both a and c

15. Examples of metamorphic rocks are

- A. marble
- B. quartzite
- C. limestone
- D. granite

16. Types of sedimentary rocks includes Tests

- A. clastic rocks
- B. organic rocks
- C. chemical rocks
- D. all of above

17. Structure formed of layers of sedimentary rocks is known as

- A. soil erosion
- B. folding
- C. bedding
- D. glacier erosion

18. Crystals of igneous rocks that are too small to be seen with naked eyes are known as

- A. phaneritic
- B. aphanitic
- C. porphyry
- D. pyroclastic

19. Particles that together made the sedimentary rocks are classified as

- A. sediments
- B. basanite
- C. carbonite
- D. metamorphous

20. Rocks that are formed within the crust of planet are known as

- A. intrusive igneous rocks
- B. igneous sediments
- C. fabric of igneous rocks
- D. extrusive igneous rocks

21. Intrusive rocks are also known as

- A. sediments
- B. molasses
- C. volcanic rocks
- D. plutonic rocks

22. Sedimentary rocks are natural resources of

- A. coals
- B. fossil fuels
- C. drinking water
- D. all of above

23. Changing of particles size during the process of metamorphism is classified as

- A. folding
- B. bending
- C. recrystallization
- D. bedding

24. Non-essential minerals present in igneous rocks are classified as

- A. intrusive minerals
- B. accessory minerals
- C. smoker minerals
- D. white minerals

25. Sedimentary rocks that are formed in arid climates are classified as

- A. fossil beds
- B. oxide beds

- C. red beds
- D. iron beds

26. In metamorphic rocks, the layering within the rocks is known as

- A. bedding
- B. foliation
- C. bending
- D. recrystallization

27. Intrusive igneous rocks are classified as

- A. gamma-abyssal
- B. alpha-abyssal
- C. hypabyssal
- D. abyssal

28. Rocks that contain fossils are

- A. celandine rocks
- B. monzonite rocks
- C. sedimentary rocks
- D. dolerite rocks

29. Color of sedimentary rocks are usually determined by

- A. iron
- B. nitrogen
- C. bacteria
- D. calcium carbonate

30. Salty rocks, schistose, granoblastic and hornfelsic are classified as

- A. textures of metamorphic rocks
- B. textures of allotropic rocks
- C. textures of sedimentary rocks
- D. textures of igneous rocks

31. Classification of sedimentary rocks on the basis of its composition includes

- A. carbonate sedimentary rocks
- B. iron-rich sedimentary rocks
- C. organic-rich sedimentary rocks
- D. all of above

32. Example of sedimentary rocks is

- A. basanite
- B. carbonite
- C. granite
- D. limestone

Answers key

Types of Rocks and Lithosphere

1.B 2.B 3.B 4.A 5.A 6.A 7.A 8.C 9.B 10.B
11.B 12.B 13.A 14.C 15.B 16.C 17.A 18.C 19.A 20.A
21.C 22.A

Igneous, Sedimentary and Metamorphic Rocks

1.A 2.B 3.C 4.D 5.B 6.B 7.C 8.B 9.A 10.A 11.A 12.D
13.C 14.D 15.A 16.D 17.C 18.B 19.A 20.A 21.D 22.D 23.C 24.B
25.C 26.B 27.C 28.C 29.A 30.A 31.D 32.D