

21. **Basalt**

A dark-colored rock that is low in silica

39. **Biotite**



17. **Calcite**



Mineral with hardness of 3 on Mohs Hardness Scale

31. **Cementation**

The process by which dissolved minerals crystallize and glue particles of sediment together into one mass

34. **Chemical rock**

Sedimentary rock that forms when minerals crystallize from a solution

32. **Clastic rock**

Sedimentary rock that forms when rock fragments are squeezed together under high pressure

7. **Cleavage**

A mineral's ability to split easily along flat surfaces

30. **Compaction**

The process by which sediments are pressed together under their own weight

35. **Coral reef**

A structure of calcite skeletons built up by coral animals in warm, shallow ocean water

3. **Crystal**

A solid in which the atoms are arranged in a pattern that repeats again and again

10. **Crystallization**

The process by which atoms are arranged to form a material with a crystal structure

16. **Diamond**

Mineral with hardness of 10 on Mohs Hardness Scale

25. **Extrusive rock**

Igneous rock that forms from lava on Earth's surface

38. **Feldspar**



36. **Foliated**

The term used to describe metamorphic rocks that have grains arranged in parallel layers or bands

8. **Fracture**

The way a mineral looks when it breaks apart in an irregular way

9. **Geode**



A hollow rock inside which mineral crystals have formed

22. **Grains**

The particles of minerals or other rocks that give a rock its texture

20. **Granite**

A generally light colored rock with a high silica content

40. **Hornblende**



24. **Igneous rock**

A type of rock that forms from the cooling of molten rock at or below the surface

2. **Inorganic**

Not formed from living things or the remains of living things

26. Intrusive rock	Igneous rock that forms when magma hardens beneath Earth's surface
12. Lava	Liquid magma that reaches the surface
37. Lithification	The complex process in which freshly deposited sediments are converted into rock.
5. Luster	The way a mineral reflects light from its surface
11. Magma	The molten mixture of rock-forming substances, gases, and water from the mantle
1. Mineral	A naturally occurring, inorganic solid that has a crystal structure and a definite chemical composition
6. Mohs Hardness Scale	A scale ranking ten minerals from softest to hardest; used in testing the hardness of minerals
33. Organic rock	Sedimentary rock that forms from remains of organisms deposited in thick layers
28. Porphyritic Texture	Rocks that have different sized crystals; created at different times
18. Quartz	



Mineral with hardness of 7 on Mohs Hardness Scale

19. Rock-forming mineral	One of about 20 minerals that make up most of the rocks in Earth's crust
29. Sediment	Small, solid pieces of material that come from rocks or organisms; earth materials deposited by erosion
27. Silica	A material found in magma that is formed from the elements oxygen and silicon
13. Solution	A mixture in which one substance is dissolved in another
4. Streak	The color of a mineral's powder

15. **Talc**



Mineral with hardness of 1 on Mohs Hardness Scale

23. Texture	The look and feel of a rock's surface, determined by the size, shape, and pattern of a rock's grains
14. Vein	A narrow deposit of a mineral that is sharply different from the surrounding rock