

## Minerals Test

Recommended Time: 20 minutes

1. With the name coming from a Tamil root word, a variety of this mineral is Dravite and is pyroelectric and piezoelectric.
2. This native element's nickname is "Brimstone" and has a polymorph, called Rosickyite
3. Having a triclinic crystal structure, Fowlerite is a zinc rich variety of this mineral and it has a hardness of 5.5-6
4. The Cave of Crystals showed gigantic, elongated clear crystals of this mineral and the Greek word were used to name a vase made out of this mineral.
5. This mineral is a favorite among gem collectors due to its diversity and inexpensiveness and is called an opaque variety of Chalcedony.
6. Most common in volcanic basalt rocks, this mineral has a SG of 8.93 and halfbreed is a variety of this mineral, which is a mix of this mineral and silver.
7. Known for its high specific gravity, this native element has a hackly fracture and has a metallic luster.
8. In 1998, the IMA declared this elastic mineral as multiple minerals featuring Phlogopite and Annite.
9. This tectosilicate is formed when gas or liquid is trapped during crystal formation, with the chemical formula  $\text{SiO}_2$
10. It is a common gemstone, but it is known to fracture easily and in Greek the name means small slope.
11. This mineral is known to be worn by the Greeks to prevent intoxication and is a tectosilicate.
12. This mineral with a light blue streak and has a very similar chemical formula to mineral #36
13. This mineraloid has an earthy fracture.
14. Named by one of the first localities in Greek, this mineral with a metallic luster has been previously called lodestone.
15. This mineral has a chemical formula  $\text{NaCaB}_5\text{O}_9 \cdot 8\text{H}_2\text{O}$  and it decomposes in hot water.
16. A polymorph of this mineral is Chaoite and has a black streak.
17. Used for as an ore of magnesium, this green mineral is nonfluorescent.
18. This is a defining mineral of hardness which is commonly used as a gemstone is a nesosilicate.
19. A polymorph of this mineral is used for aquatic tanks and it bubbles in HCl.
20. This is the most common sulfide and has an isometric crystal structure.
21. Called "Fluorcollophane" this mineral is used as fertilizer due to its phosphorus content.
22. Used for ceramics, a variety of this mineral is moonstone and it has a specific gravity of 2.6
23. It is used for sandpaper and is antiferromagnetic at a certain temperature. This mineral has a chemical formula of  $\text{Fe}_3\text{Al}_2\text{Si}_3\text{O}_{12}$ .
24. This ore of copper is also known as "Peacock Ore"
25. This mineral is not olive green, but pistachio green, and is an end member of a solid solution along with clinozoisite.
26. Known for its high specific gravity, this mineral can be an ore of silver.
27. "Bologna Stone" is a common nickname for this mineral and it is phosphorescent. This sulfate has a brittle tenacity.
28. With impurities, this mineral's streak changes from white to light brown and is an ore of zinc. It's a

polymorph of wurtzite.

29. This mineral's possible oldest use is in the kingdom Phrygia and it has a hardness of 5-5.5.
30. Coming from the Latin root fluere, one of this mineral's varieties is Blue John.
31. The rock form of this mineral features impurities like Calcite, Quartz, and Feldspar. One of its uses is in acid neutralization.
32. This mineral's name comes from two German words, the second being blenden, and is a constituent in granite.
33. Having a tetragonal crystal system, this mineral is soluble in nitric acid that tinges the solution blue.
34. The Greeks wore this mineral as a necklace, believing it prevented one it gets intoxicated and gets its color from iron impurities
35. This mineral, which has a hardness of 7.5-8, has a colorless variety called goshenite.
36. This variety of plagioclase feldspar glows white under long UV.
37. Commonly used for asbestos, this inosilicate is toxic that can give you lung cancer.
38. With an elastic tenacity, this mineral is a poor conductor of electricity and which is named after Muscovy-glass
39. Known as "Red Iron Ore," this oxide has a many varieties, including Bloodstone.
40. "Fairy's Cross," the nickname of this mineral, has a white streak.