



Across

4. most obvious characteristic of a mineral, helpful but also a problem
5. mineral with CO₃
6. typical streak of a metal
8. resistance of a mineral to scratching
10. group of minerals distinguished from each other on the basis of chemical composition
13. type of luster of galena or pyrite
14. mineral valued as it is rare / beautiful
16. minerals that have the same chemical composition but a different crystal lattice structure
18. formula for quartz
19. professor's name
20. general shape of a crystal or cluster of crystals that grew unimpeded, the crystal — —
22. ratio of a mineral's weight to an equal volume of water

Down

1. color of a mineral's powder
2. the way a mineral reflects light, can be metallic, non-metallic, etc.
3. homogenous, naturally occurring, solid inorganic substance with a definable chemical composition and an internal structure characterized by an orderly arrangement of atoms, ions, or molecules in a lattice
5. substance in which atoms are arranged in a lattice
7. formula for halite
9. the flat surface of a crystal formed during crystal's growth
11. typical streak of a nonmetal
12. mineral produced naturally by organisms, e.g., calcite in shells
13. scientist who developed the hardness scaler
15. study of minerals and their characteristics
17. any mineral composed of Si and O

Across

- 24. formula for calcite
- 25. 10 on Mohs scale
- 26. reflective luster of quartz or feldspar

Down

- 21. 1 on Mohs scale
- 23. solid in which atoms are NOT arranged in an orderly pattern