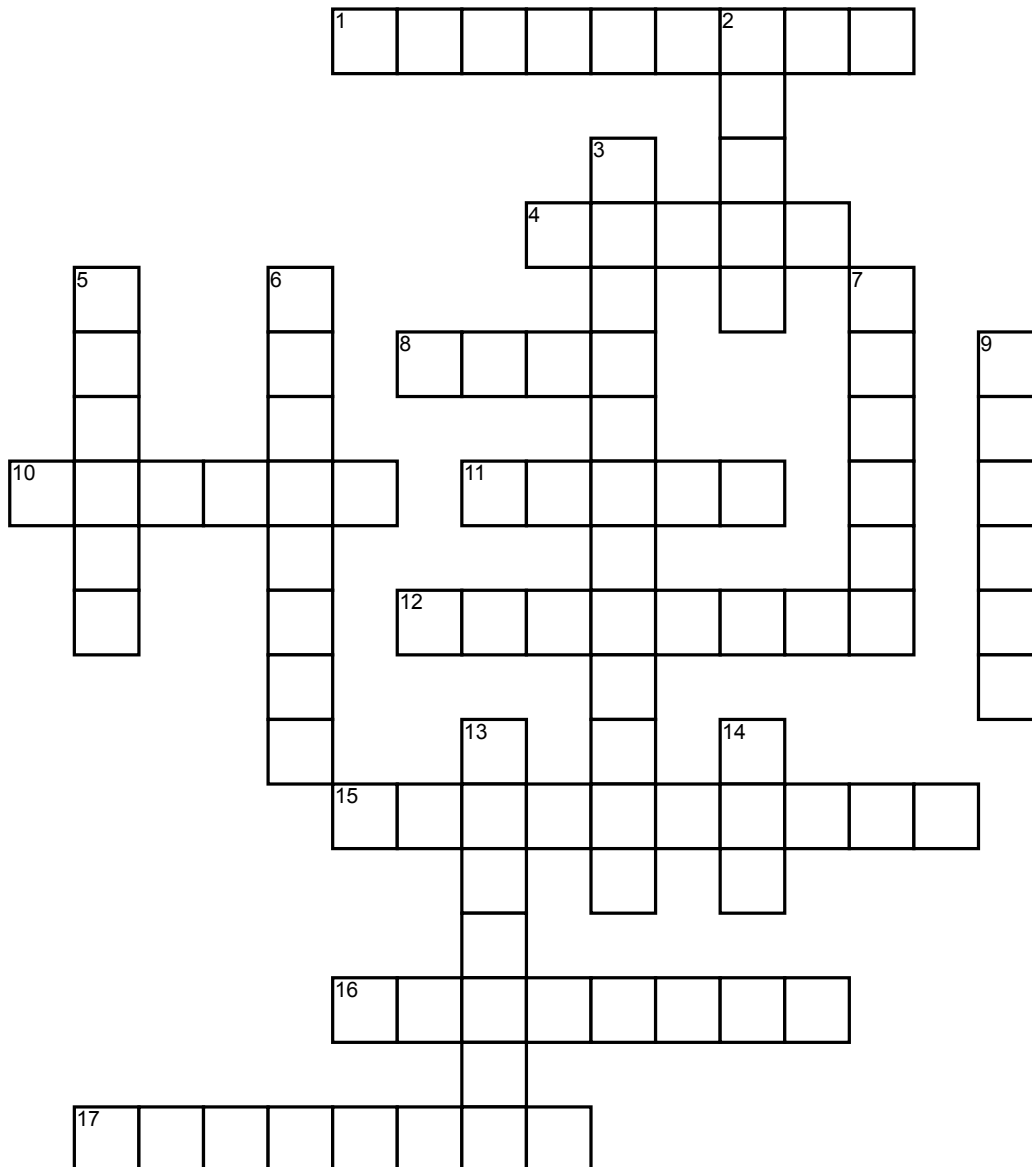


Ch 2: Matter and Minerals



Across

- 1. Magnetic nonsilicate mineral
- 4. One of the five properties of a mineral
- 8. A scale to establish the hardness of a mineral
- 10. The color of a mineral in powdered form
- 11. Which property of a mineral is least helpful for identification?
- 12. Smallest subatomic particle

- 15. A naturally occurring concentration of one or more metallic minerals that can be extracted economically
- 16. A type of dark silicate mineral
- 17. Bonding in which two atoms share valence electrons

Down

- 2. Bonding in which one atom gives an electron to another atom
- 3. The two major groups of minerals are silicates and _____

- 5. Describes quality of light reflected from a mineral's surface
- 6. When a mineral breaks cleanly along a plane
- 7. The number of these determines what element an atom is
- 9. Silicates contain silicon and _____ and are major constituents of continental crust
- 13. If an atom has more or less of these, that means it is an isotope
- 14. An atom that has different numbers of protons and electrons