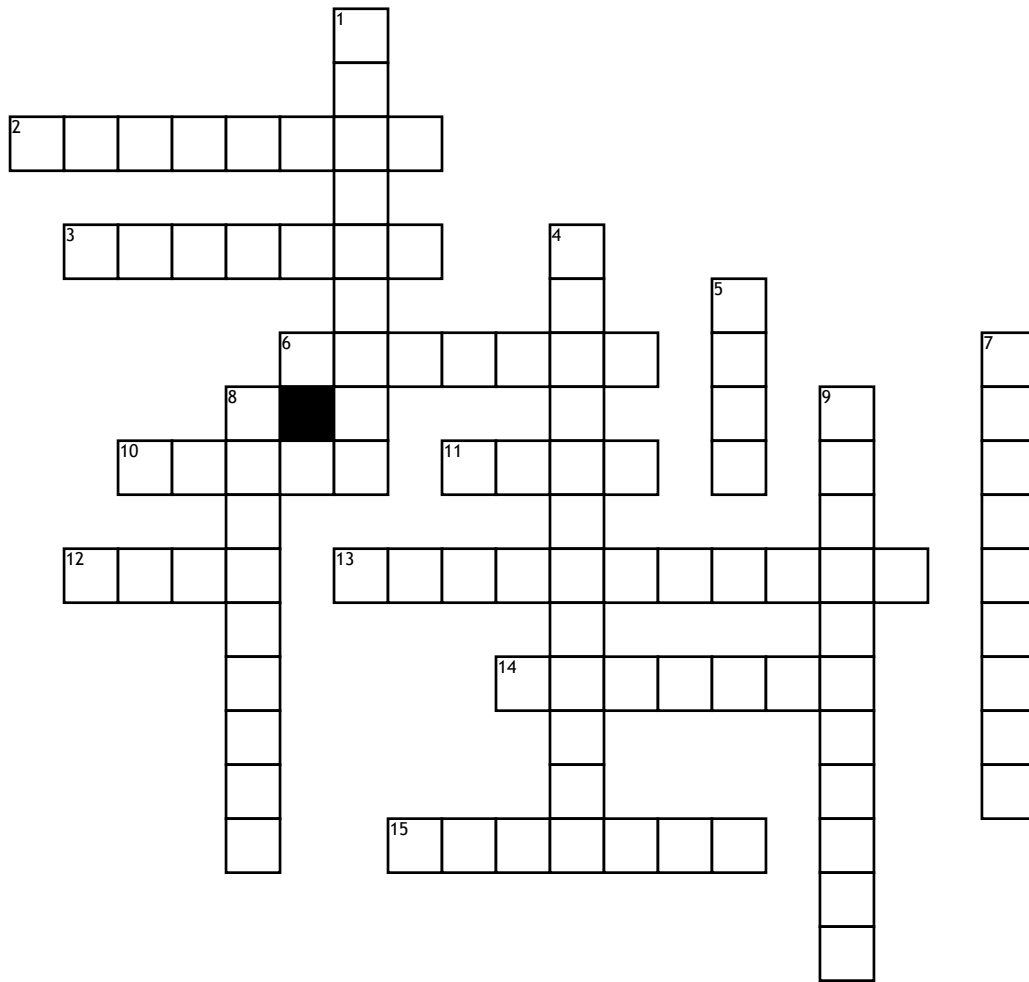


# Rocks and Minerals



**Across**

- 2. a hard, dark, glass like volcanic rock formed by the rapid solidification of lava without crystallization
- 3. a speckled, coarse-grained igneous rock consisting essentially of plagioclase, feldspar, and hornblende or other mafic minerals
- 6. a precious stone consisting of a clear and typically colorless crystalline form of pure carbon, the hardest naturally occurring substance.
- 10. a fine-grained, foliated, homogeneous metamorphic rock derived from an original shale-type sedimentary rock composed of clay or volcanic ash through low-grade regional metamorphism

- 11. a white, gray, or pale green soft mineral with a greasy feel
- 12. a yellow precious metal, the chemical element of atomic number 79, valued especially for use in jewelry and decoration, and to guarantee the value of currencies.
- 13. changed to another under the influence of heat, pressure, or some other agent without passing through a liquid phase
- 14. a very hard, granular, crystalline, igneous rock consisting mainly of quartz, mica, and feldspar and often used as a building stone
- 15. formed through the cooling and solidification of magma or lava

**Down**

- 1. a hard, non-foliated metamorphic rock which was originally pure quartz sandstone

- 4. a coarse-grained clastic sedimentary rock that is composed of a substantial fraction of rounded to subangular gravel-size clasts
- 5. a combustible black or dark brown rock consisting mainly of carbonized plant matter, found mainly in underground deposits and widely used as fuel
- 7. a sedimentary rock, composed mainly of skeletal fragments of marine organisms such as coral, forams and molluscs
- 8. a clastic sedimentary rock composed mainly of sand-sized mineral particles or rock fragment
- 9. often deposited in layers, and frequently contain fossils

**Word Bank**

- |           |             |              |           |             |
|-----------|-------------|--------------|-----------|-------------|
| diorite   | granite     | quartzite    | sandstone | talc        |
| coal      | gold        | slate        | diamond   | igneous     |
| limestone | sedimentary | conglomerate | obsidian  | metamorphic |