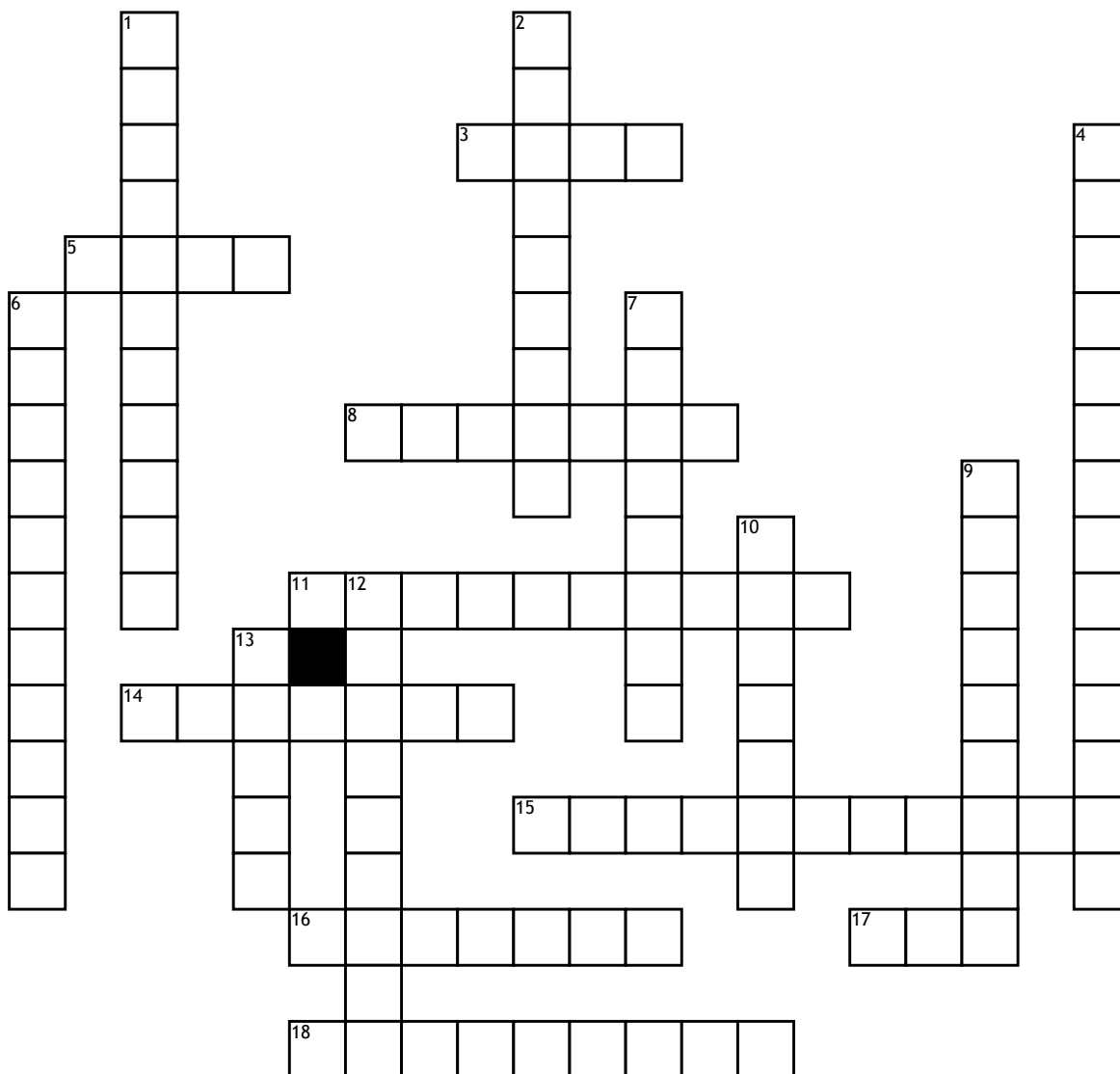


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# Crossword Puzzle for Rocks and Minerals



## Across

3. hot molten or semifluid rock erupted from a volcano or fissure, or solid rock resulting from cooling of this.

5. the solid mineral material forming part of the surface of the earth and other similar planets, exposed on the surface or underlying the soil or oceans.

8. size, shape, and distribution of crystals or grains that make up a rock □

11. Veins of extremely large-grained minerals

14. sediments having particles ranging in size from boulders to microscopic particles, which often have worn surfaces and rounded corners.

15. when mineral growth cements sediment grains together into rock

16. a solid inorganic substance of natural occurrence.

17. a naturally occurring solid material from which a metal or valuable mineral can be profitably extracted.

18. a subsurface area of rock that has enough porosity to allow for the accumulation of oil, natural gas, or water

## Down

1. formed through the cooling and solidification of magma or lava

2. chemical sedimentary rocks that form as a result of crystal grains precipitating out of a supersaturated body of water

4. occurs when only a portion of a solid is melted

6. large, well-formed crystals surrounded by fine-grained crystals of the same or different minerals

7. the percentage of open spaces between grains in a rock

9. igneous rocks that form from crystallized magma beneath the earth's surface

10. the stratification or layering of rocks or other geological materials.

12. igneous rocks formed on the surface

13. hot fluid or semifluid material below or within the earth's crust