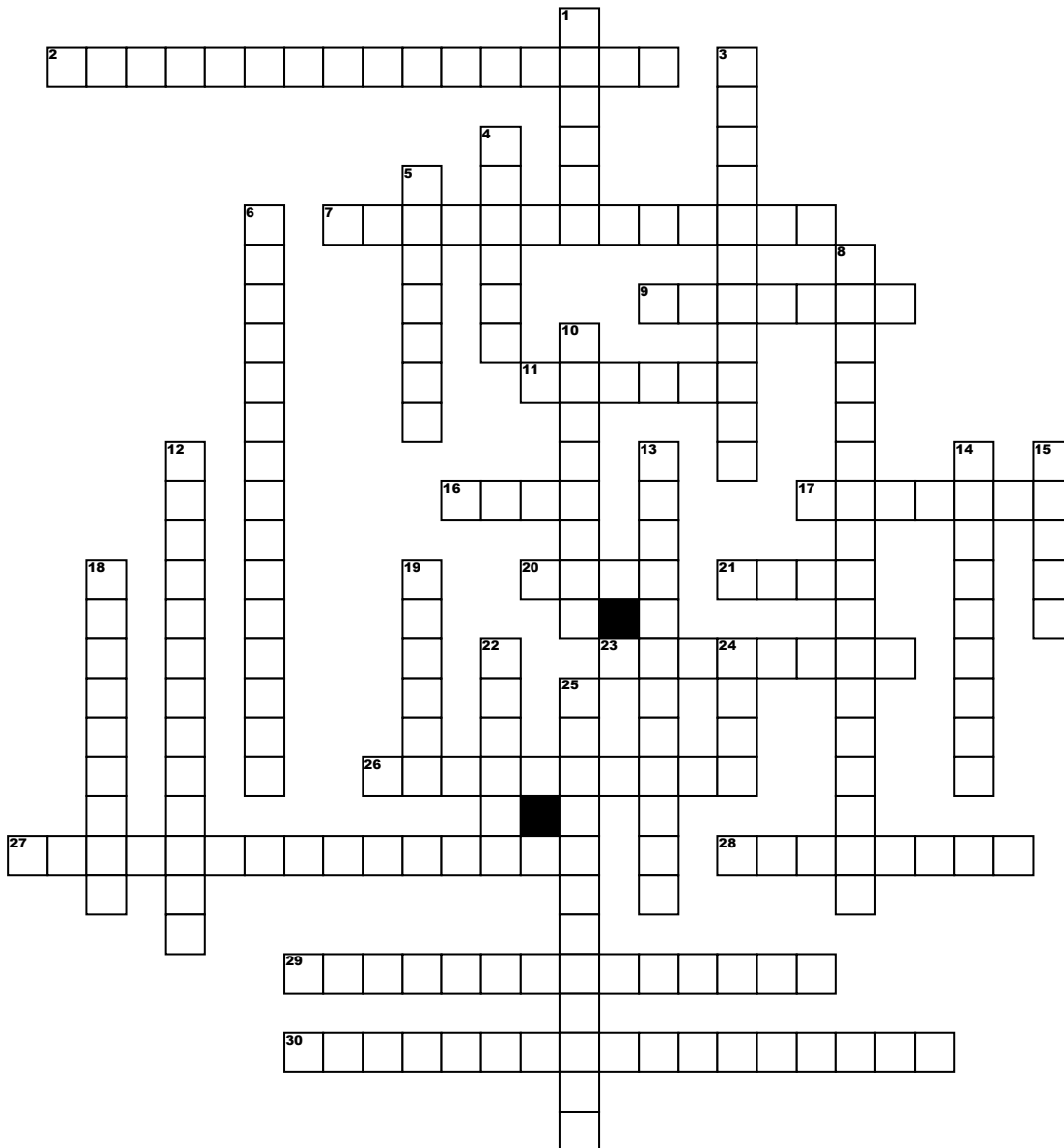


Earth materials and processes



Across

- 2. When cycle of lava and tephra is repeated over and over in alternating layers.
- 7. energy derived from burning organic material such as wood, alcohol, and garbage
- 9. Means "all land"
- 11. The steep walled depression around a volcano's vent.
- 16. An opening in the volcano that lava flows out.
- 17. An opening in Earth that erupts gases, ash, and lava.
- 20. Deposits in which a mineral or minerals exist in large enough amounts to be mined at a profit
- 21. Highly priced minerals, they are rare and beautiful
- 23. When a large number of windmills are placed in one area for the purpose of generating electricity
- 26. Vibrations produced by the breaking of rock
- 27. A deposit of useful minerals

- 28. seismic sea wave that begins over an earthquake focus and can be highly destructive when it crashes on shore
- 29. Theory that Earth's crust and part of the upper mantle are broken into sections
- 30. The cycle of heating, rising, cooling, and sinking

Down

- 1. Surfaces that rocks move along when the break
- 3. Energy from the sun
- 4. Sections of Earth's crust and upper mantle
- 5. Areas at the boundary between earth's mantle and core that are unusually hot.
- 6. The ratio of a mineral's weight compared with the weight of an equal volume of water
- 8. Theory that Harry Hess proposed
- 10. A break in a mineral with uneven, rough, or jagged surfaces
- 12. An alternate energy source produced from atomic reactions
- 13. Generated by an earthquake travel through Earth

- 14. The measure of energy released during an earthquake
- 15. Point where energy release first occurs in an earthquake
- 18. Using old materials to make new ones
- 19. Bits of rock or solidified lava dropped from the air.
- 22. The way a mineral reflects light
- 24. Magma that is forced into a crack that cuts across rock layers and hardens.
- 25. This occurs when wet soil acts more like a liquid during an earthquake