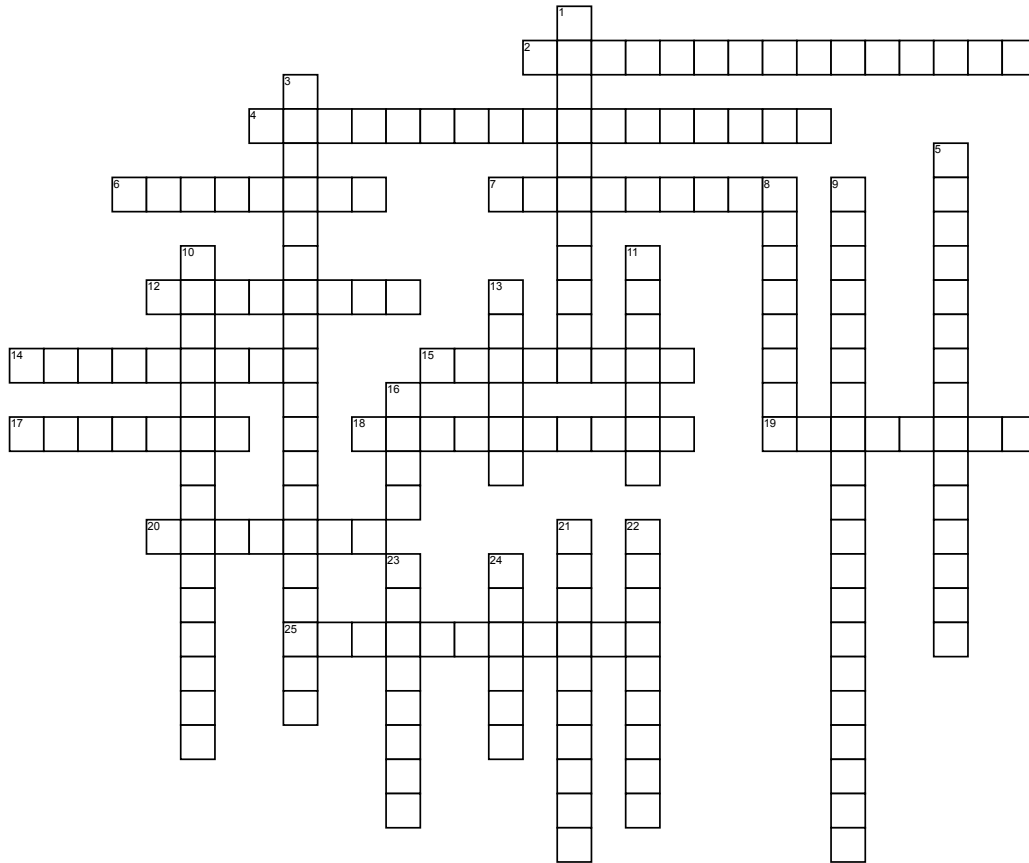


unit 3 vocabulary



Across

- 2. Igneous and sedimentary rocks that change at elevated temperatures and pressures deep within the Earth or during mountain building
- 4. Compares the resistance of a mineral to being scratched by ten reference minerals
- 6. A metamorphic rock with a banded or layered appearance
- 7. Igneous rocks formed when lava hardens above the Earth's surface
- 12. The texture and shape of a rock's surface formed when a mineral is broken
- 14. Igneous rocks formed when magma hardens beneath Earth's surface
- 15. Measures the resistance which a smooth surface offers to scratching
- 17. A piece of a pure solid substance having a natural form with symmetrical faces

- 18. Process that squeezes, or compacts, sediments
- 19. Any minerals consisting primarily of silicon and oxygen combined with metal ions
- 20. a naturally occurring chemical compound
- 25. Rocks formed by the crystallization of molten magma or lava

Down

- 1. Process that takes place when dissolved minerals are deposited in the tiny spaces among the sediments
- 3. Metamorphism due to contact with or proximity to an igneous intrusion
- 5. Rocks composed of weathered bits of other rocks and minerals
- 8. Substances that cannot be chemically broken down into simpler substances
- 9. Metamorphism affecting rocks over an extensive area as a result of the large-scale action of heat and pressure

- 10. A process where a solid forms where the atoms or molecules are organized in a structure known as a crystal
- 11. Process that involves the weathering and the removal of rock
- 13. The color of the powder produced when it is dragged across a surface
- 16. Any solid mass of mineral or mineral-like matter occurring naturally as a part of our planet
- 21. Process that occurs when an agent of erosion—water, wind, ice, or gravity—loses energy and drops sediments
- 22. The interactions between Earth's water, air, land, and living things that cause rocks to change from one type to another
- 23. The tendency of a mineral to break along flat surfaces as determined by its structure
- 24. The way light interacts with the surface of a crystal, rock or mineral

Word Bank

- | | | | | |
|---------------------|------------|----------------------|-----------------|-----------------------|
| mohs hardness scale | fracture | metamorphic rock | rock | igneous rock |
| silicate | compaction | elements | cementation | rock cycle |
| foliated | crystal | intrusive | mineral | regional metamorphism |
| streak | cleavage | deposition | crystallization | sedimentary rock |
| extrusive | luster | contact metamorphism | hardness | erosion |