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unit 3 vocabulary

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| **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 scatching  **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 nvolves 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 |

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