Unit 6: Rocks/Minerals

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| **Across****2.** not consisting of or deriving from living matter**3.** The interactions between Earth's water, air, land, and living things that cause rocks to change from one type to another **4.** the ratio of an object's mass to its volume**5.** Rocks formed by the crystallization of molten magma or lava **8.** what minerals the rock is made up of**11.** a number of different things or parts that are put or grouped together to form a whole but remain distinct entities**13.** soft, finely stratified sedimentary rock that formed from consolidated mud or clay and can be split easily into fragile slabs**14.** Coarse-grained, fine grained and glassy are examples of\_\_\_\_\_\_\_\_.**16.** The color of the powder produced when it is dragged across a surface **19.** a system of subparallel wavy ridges and furrows left on sand or mud by the action of water or wind, and sometimes fossilized**20.** Process that nvolves the weathering and the removal of rock **21.** fine-grained sedimentary rock consisting of consolidated silt**22.** The tendency of a mineral to break along flat surfaces as determined by its structure **25.** glow under some conditions**26.** A piece of a pure solid substance having a natural form with symmetrical faces **27.** Igneous and sedimentary rocks that change at elevated temperatures and pressures deep within the Earth or during mountain building **29.** has a banded or layered appearance **30.** Metamorphism affecting rocks over an extensive area as a result of the large-scale action of heat and pressure **31.** Rocks composed of weathered bits of other rocks and minerals  | **Down****1.** Igneous rocks formed when lava hardens above the Earth's surface **6.** soft, finely stratified sedimentary rock that formed from consolidated mud or clay and can be split easily into fragile slabs**7.** Metamorphism due to contact with or proximity to an igneous intrusion**9.** Igneous rocks formed when magma hardens beneath Earth's surface **10.** Measures the resistance which a smooth surface offers to scatching **12.** sedimentary structures formed as muddy sediment dries and contracts. Crack formation also occurs in clayey soils as a result of a reduction in water content.**15.** The way light interacts with the surface of a crystal, rock or mineral **17.** A naturally occurring chemical compound **18.** state of matter characterized by particles arranged such that their shape and volume are relatively stable**23.** to change form**24.** rock consisting of angular fragments cemented together.**28.**  preserved remains of a prehistoric organism or is slang for someone or something that is old and outdated |