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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Rocks and Properties

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| **Across**  **1.** This typr of igneous rock is made when lava cool on the earths suface.  **8.**  particles in this rock are ,clay minerals mixed with tiny grains of quartz eroded from pre-existing rocks  **15.** Is formed when fine-grained sedimentary rock is buried and exposed to high pressure deep beneath the Earth's surface.  **16.** This is soft, and white from limestone.  **17.**  rich in plagioclase feldspar minerals and may contain biotite, pyroxene, or amphibole.  **18.** This rock is formed when lava cools and hardens.  **19.**  They formed from chemical reactions that combined iron and oxygen in marine and fresh waters. The two most important minerals in these deposits are iron oxides: hematite (Fe2O3) and magnetite (Fe3O4)  **20.** A family rich in silicate, magnetism ,and water. the color are usually light to dark green. | **Down**  **2.** This rock in made on the earths surface .Also layers build up over time.  **3.** The earths crust is made up of \_\_\_\_\_\_.  **4.**  It is composed primarily of the mineral calcite (CaCO3) and usually contains other minerals, such as clay minerals, micas, quartz, pyrite, iron oxides, and graphite  **5.**  hard sedimentary form of the mineral quartz  **6.** This rock is made under heat and pressure  **7.** This is a type of igneous rock that is made below the earth surface.  **9.** Can be shelly but isn't always .the colors for it are yellow, light gray or dark grey.  **10.** The colors for this rock is black .Its also an extrusive igneous rock .Its very glossy.  **11.** The colors for \_\_\_\_\_\_\_ are white, pink, or gray in color, depending on their mineralogycontaining potassium feldspar, plagioclase feldspar, quartz, and biotite and/or amphibole  **12.**  identified by its bands and lenses of varying composition, while other bands contain granular minerals with an interlocking texture.durable enough to perform well as a dimension stone..  **13.**  forms from the accumulation and preservation of plant materials, usually in a swamp environment.  **14.** Minerals are arangend in strips or bands. |