Rocks and Minerals

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|  |  |  | I |  | 4  S | E | D | I | M | E | N | T |  |  |  |  |  |  |  |
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|  |  |  | 10  L | A | V | A |  | I |  | R |  | I |  | L |  | U |  | 11  I |  |
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| 13  M | 14  A | R | B | L | E |  | 15  G | N | E | I | S | S |  | M |  | T |  | E |  |
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|  | P |  | 16  P |  | A |  | 17  M | A | G | M | A |  |  | N |  | I |  | U |  |
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| **Across**  **1.** Sedimentary rock consisting of sand or quartz grains cemented together  **4.** Matter that settles to the bottom of a liquid  **6.** A very hard, granular, crystalline, igneous rock consisting mainly of quartz.  **10.** Hot molten or semifluid rock erupted from a volcano  **13.** A hard crystalline metamorphic form of limestone, typically white.  **15.** A metamorphic rock with a banded or foliated structure  **17.** Hot fluid or semi fluid material below or within the earth's crust.  **19.** A hard, solid, nonmetallic mineral matter of which rock is made  **20.** A hard sedimentary rock, composed mainly of calcium | **Down**  **2.** A solid inorganic substance of natural occurrence  **3.** The change of minerals or geologic texture in pre-existing rocks.  **5.** Types of rock that are formed by the deposition of material at the earth surface.  **7.** An aluminosilicate mineral typically occurring as fibrous masses.  **8.**  A various colored or transparent mineral.  **9.** A hard, non-foliated metamorphic rock which was originally pure quartz.  **11.**  Rocks formed through the cooling and solidification of magma or lava.  **12.** sedimentary rocks being exposed to extreme weather.  **14.** A class of rock-forming silicate or aluminosilicate minerals.  **16.** The continuous physical force exerted on or against an object  **18.** The solid mineral material forming part of the surface of the earth |