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Chemistry

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| **Across**  **8.**  Limestone is heated to a high temperature with clay and then powdered.  **10.** Water  **11.** An old name for mercury.  **13.** A solvent and a solute  **14.** The mixture of gases which we breathe!  **16.** This is an igneous rock that has large crystals. It has formed slowly as the molten rock (magma) cooled inside other rock. Compare it wirth basalt.  **18.** One of the three states of matter  **20.**  It is a raw material in the blast furnace as a source of carbon.  **21.** A mixture of different metals.  **23.** A solution of sodium chloride (common salt) in water  **24.** The liquid part of a solution  **25.**  The layer of the Earth immediately below the crust. | **Down**  **1.** The temperature at whcih a solid turns into a liquid  **2.** Create the flame of knowledge  **3.** The Sun's energy is trapped by the Earth's atmosphere.  **4.** Molten rock beneath the surface of the Earth.  **5.** Many people are worried that the average temperature of the Earth is increasing.  **6.** It is said to be a contributor to global warming.  **7.**  A substance that will neutralise an acid  **9.** A liquid evaporating as fast as it can.  **12.**  A form of sedimentary rock  **15.**  The chemicals that react together to form the new materials. The word reagent is sometimes used instead.  **17.**  The chemicals that react together to form the new materials. The word reagent is sometimes used instead.  **19.** Its pure  **22.**  A stae of matter. It has a fixed volume but no fixed shape. |