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Introduction to Ceramics

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| **Across**  **1.** Unfired pottery. Ready to be bisque fired.  **4.** Creating ceramic shapes on the potter's wheel.  **5.** Clay forced through a die to form uniform shaped clay.  **6.** Clay mix with water. 50% water  **7.** Creating a form with long, rope shaped, pieces of clay.  **12.** Pottery that has been fired once, without glaze, and cannot be recycled. 0% water  **13.** To heat a clay object in a kiln to a specific temperature.  **14.** A plaster shape designed to pour slip cast into and let dry so the shape comes out as an exact replica.  **18.** The quality of clay which allows it to be manipulated into different shapes without cracking. 25% water  **20.** This is a this coat of glass. An impervious silicate coating, which is developed in clay ware by the fusion under heat of inorganic materials.  **22.** To manipulate clay with your fingers in the palm to hollow a shape.  **23.** a furnace of refractory clay bricks for firing pottery and fusing glass.  **24.** Base of a ceramic form.  **25.** Technique of moving the clay into a symmetrical rotating axis in the middle of a wheel head so you can throw it.  **26.** Pressed or rolled flat sections of clay used for hand-building. | **Down**  **2.** Pushing the clay down and together, forcing the particles together.  **3.** These come in a variety of shapes, used in all sorts of hand-building. (3 words)  **8.** Completely air dried. 2% water  **9.** A creation of an object out of clay.  **10.** Used for cutting large lumps of clay, cleaning edges of cast pieces, and in removing thrown work from the potter's wheel. (2 words)  **11.** A natural material extracted from the earth's crust. Made of alumina+silica+water  **15.** The stage of clay between plasticity and bone dry. Clay is still damp enough to join it to another piece using slip. 10% water (2 words)  **16.** A rubber, metal or wooden tool used to facilitate throwing on the wheel and finishing surfaces in hand-building.  **17.** Long heavy needle with a handle, one of the most versatile tools in pottery.  **19.** A flat disc made from plaster, wood, or plastic which is a fixed to a wheel head.  **21.** A method of kneading the clay to make it evenly mixed, remove air bubbles and to change the water content. |