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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.  |