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Particle Theory of Matter

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| **Across****2.** Anthing tat takes up space and has mass**3.** The ability to do work **7.** How fast a solute will dissolve in a solvent.**9.** A mixture where particles of each component substance are not evenly dispersed.**10.** The energy that flows from a warmer substance to a cooler substance.**11.** The transfer of heat through special waves**13.** The amount of solute that will dissolve in a solvent. **15.** The transfer of heat energy through solids.**16.** The amount of particles in a substance**18.** A homogeneus mixture composed of two or more substances. **19.** The transfer of heat energy in liquids and gases | **Down****1.** A measure of the energy contained within a substance.**4.** A mixture where particles of each component substance are evenly dispersed.**5.** Matter consisting of only one type of particle**6.** Is an exlanation for why things work or how things happen and are based on observations of the world around us that are then tested.**8.** A mixture where individual particles can be identified **12.** A substance that is dissolved in solvent. **14.** The substance that the solute is dissolved in.**17.** Matter consisting of more than one type of particle |