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| the basic building blocks of all matter | a characteristic that describes how a substance will interact with other substances | the study of the property of matter and how matter changes |
| a pure substance that forms when two or more elements join chemically | physical property that compares the mass of a substance per unit volume | a pure substance that cannot be broken down in to simpler substances by any ordinary chemical means |
| pure substances are unevenly distributed throughout the mixture | pure substances are evenly distributed throughout the mixture | measure of the amount of matter making up an object |
| anything that has mass and takes up space | type of matter that forms when two or more substances combine without joining together chemically | two or more atoms that are bonded together chemically; smallest unit of a compound that has all the properties of the compound |
| a characteristic that can be observed or measured without changing the identity of the substance | a well-mixed mixture containing a solvent and at least one solute that has the same properties throughout | a single kind of matter |
| the amount of space matter occupies | a measure of the pull of gravity on the mass of an object |  |