

Name _____ Date _____ Period _____

Activity 07-03 Properties Table - Classification of Matter

Identify the classification of matter from the properties listed. Choose from the most specific classifications of matter.

Does not settle out on standing Looks the same throughout Does not exhibit the Tyndall effect Cannot be separated by physical means Has properties that are unique from components Can be separated by electrolysis Components have different kinds of atoms combined in the same ratio	
Does not settle out on standing Exhibits the Tyndall effect Particle size between 1 - 1000 nanometers Amounts of components vary May appear cloudy Separated with a centrifuge Components are large molecules and small aggregates of matter	
Does not settle out on standing Looks the same throughout Particle size less than 1 nanometer Amounts of components may vary Components do not lose their own properties Separated by evaporation, distillation, or chromatography Components are atoms, ions, or molecules	
Does not settle out on standing Looks the same throughout Does not exhibit the Tyndall effect Components have unique properties Cannot be separated by physical or chemical means Components are all the same kind of atoms	
Settles out upon standing Exhibits the Tyndall effect or blocks light entirely Particle size over 1000 nanometers Amounts of components vary Often appears cloudy or opaque Separated with a filter Components are large particles or large aggregates of matter	