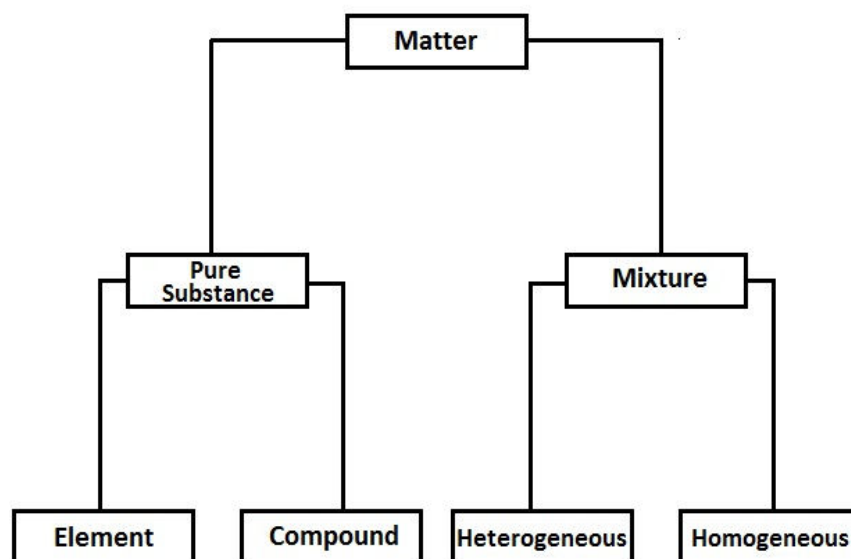


Vocabulary: Elements, Compounds, & Mixtures, Part 2



Examples of Mixtures:

Homogeneous mixtures	Heterogeneous mixtures
salt and water	salt and pepper
rubbing alcohol and water	oil and water
Ranch and French salad dressing	Oil and Vinegar salad dressing
chicken broth	vegetable soup

Interactions of Matter:

Elements (symbol)	Compounds (chemical formulas)	Heterogeneous Mixtures	Homogeneous Mixtures
sodium (Na) chlorine (Cl)	table salt (NaCl)	salt and sawdust	salt and water
carbon (C) oxygen (O) hydrogen (H)	sugar (C ₁₂ H ₂₂ O ₁₁) water (H ₂ O) alcohol (CH ₃ OH)	sugar and graphite water and oil alcohol and iron fillings	sugar and water water and alcohol
nitrogen (N) oxygen (O) hydrogen (H)	ammonia (NH ₃) nitric acid (HNO ₃)	polluted air (contains dust and dirt, as well as nitric acid)	ammonia and water filtered air (gas only)

law of conservation of mass:

The law that states that matter cannot be created or destroyed by a chemical or physical change.