Name _____ Date _____ Class _____

Quick Vocabulary

Lesson 1

compound matter made of atoms of two or more elements chemically bonded together

heterogeneous mixture mixture in which substances are not evenly mixed

homogeneous mixture mixture in which two or more substances are evenly mixed on the atomic level but not bonded together

mixture two or more substances that are physically blended but are not chemically bonded together

solution homogeneous mixture

substance matter that is always made up of the same combination of atoms

Lesson 2

analogous showing a likeness in some ways between things that are otherwise different

concentration amount of a particular solute in a given amount of solution

polar molecule has a slightly negative end and a slightly positive end

saturated solution contains the maximum amount of solute it can hold at a given temperature and pressure

solubility maximum amount of solute that can dissolve in a given amount of solvent at a given temperature and pressure

solute all other substances in a solution besides the solvent

solvent substance that exists in the greatest quantity in a solution

unsaturated solution can still dissolve more solute at a given temperature and pressure

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Quick Vocabulary

Lesson 3

acid substance that produces a hydronium ion (H_3O^+) when dissolved in water

base substance that produces hydroxide ions (OH^-) when dissolved in water

hydronium ion H_3O^+, a positively charged ion formed when an acid dissolves in water

indicator compound that changes color at different pH values when it reacts with acidic or basic solutions

pH inverse measure of the concentration of hydronium ions in a solution

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