
Miller & Levine Biology Chapter 2

Questions and Answers

atoms - ANS-the building blocks of matter

proton - ANS-positively charged part of an atom in the nucleus

neutron - ANS-part of atom with no charge in the nucleus

electron - ANS-negatively charged particle of an atom that orbits around the nucleus and is 1/1840 the size of a proton

element - ANS-a pure substance with only one type of atom

compound - ANS-two or more elements chemically combined

ionic bonds - ANS-when one or more electrons are transferred from one atom to the other

covalent bonds - ANS-when electrons are shared between two atoms

molecule - ANS-smallest unit of most compounds

polar - ANS-one end is positive, the other is negative

hydrogen bonds - ANS-hold water molecules, not as strong as chemical bonds but strongest a molecule can form

cohesion - ANS-attraction between molecules of the same substance

adhesion - ANS-attraction between molecules of different substances

mixture - ANS-2 or more elements or compounds physically mixed but not chemically combined and it can be separated

solution - ANS-water and a dissolved substance

solute - ANS-what is being dissolved

solvent - ANS-what it is being dissolved in

suspension - ANS-water and a non-dissolved material

pH scale - ANS-scale that describes how acidic or basic a substance is

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