

Biology Chapter Two Test Study Guide:

Tiny Particles:

- What is an atom?
- What is an element and compound?
- Compare and contrast ionic and covalent bonds.
- What is a molecule?

Water Properties:

- What is a hydrogen bond? Illustrate a hydrogen bond.
- How is a water molecule a polar molecule?
- What are the different water properties and how do water molecules interact with one another? (Specific Heat, Cohesion, Adhesion)
- What happens when ions and other covalent molecules dissolve in water
- What is a solution? What is the solvent and what is the solute in a solution?
- What is pH and the pH scale?
- What is an acid? What is a base? Where are they located on the pH scale?
- How do acids and bases differ with the concentration of hydrogen ions?

Macromolecules:

- What is a monomer and what is a polymer?
- Describe what a carbohydrate, lipid, protein, and nucleic acid is.
- What are the monomers of the macromolecules?
- What are some functions of the macromolecules? Why are they important?
- What are some examples of the macromolecules?

Scientific Method

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