

Section 1: Atoms, Ions, and Molecules

Study Guide B

KEY CONCEPT

All living things are based on atoms and their interactions.

VOCABULARY

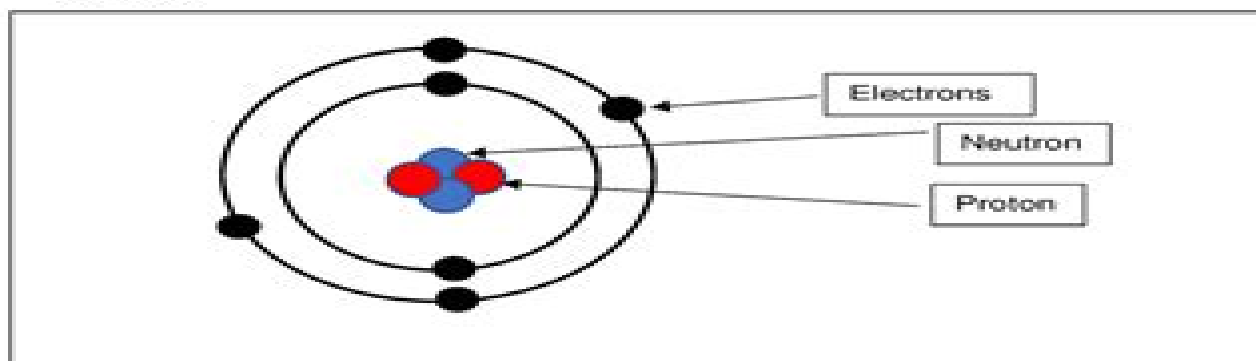
atom	ion	molecule
element	ionic bond	
compound	covalent bond	

MAIN IDEA: Living things consist of atoms of different elements.

1. How are atoms and elements related?

The elements are a group of atoms of the same type. _____

2. Sketch the structure of an atom. Label the protons, neutrons, nucleus, and electrons.



3. How do compounds differ from elements?

Compounds are made of different elements bonded together, so it's a combination of different types of atoms.

MAIN IDEA: Ions form when atoms gain or lose electrons.

4. What is an ion?

Is an atom that gain or lose electrons. _____

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