**Unit 2 Test**

**Life, Cell and Cell Chemistry Study Guide**

7 characteristics of Life

Define and understand the relationship:

Atom

Element

Molecule

Macromolecules (what they are, what they do, what elements they are made of, examples)

Lipid

Protein

Nucleic acid

Carbohydrate

Polymerization

Cell Theory

Who, when and why

Prokaryote vs Eukaryote

Eukaryote Organelles – structure and function

Plant vs Animal Cells

Passive Transport

Simple diffusion

Facilitated diffusion

Concentration gradient

Osmosis

Active Transport