**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