

Term 2 Test Study Outline!

Atoms, Elements, and Compounds

- What is an atom?
 - What part of an atom is positive? Negative? Neutral?
- What is an element?
 - How do label elements?
 - What are the most common elements in nature?
 - CHNOPS
 - HONC
- What is a compound?

Biological Macromolecules

- These notes were taken on two different hand outs. They are charts
- Know the 4 basic types.
 - What are individual examples of each type?
- What are the basic functions of each macromolecule?
- Hydrophobic means what?
- What is an enzyme? What does it do? How did it work in the liver and potato enzyme lab we did?

Water Properties

- What six water properties did we test out in the lab?
- What is a solute? Solvent?
- What is density?
- What is a polar molecule?
- What is cohesion?
- What is adhesion?
- What is capillary action? How does this benefit plants?
- What is surface tension?
- Which is better in a desert, big or small leaf? Why?
- Explain water's heat capacity

What is Life?

- What 6 characteristics define a living organism
- Does an organism or thing have to have ALL 6 to be defined as living?
- Does locomotion require energy? Does metabolism?
- What two types of reproduction is possible?
- What is the difference between growth and development?
- What is stimuli? Define it.
- What is homeostasis? Give me an example of how an organism maintains homeostasis.

Cell Theory

- What is the difference between a scientific law and scientific theory?
- The 3 Basic Components of the Cell Theory are...
- What are the two different types of cells (think which has a nucleus and which doesn't)
- What are the two different type of organisms? (think how many cells are there)
- What is the smallest unit that can perform life functions.
- Spontaneous generation
 - What is it? What disproved it? (or at least helped)

Vocabulary will be VERY important! If you don't know the words you will not understand the question being asked!

This is a study guide to help aim your study. Hopefully I didn't miss anything. But please remember that it is your responsibility for the information I gave you in class. If I happen chance to miss something and it is in your notes it could still be game for the test!