

## Chapters 1&2 Hoffman

### STUDY GUIDE

This guide is intended to help you direct your attention to material covered in class. If by error I have failed to include something on this guide that was covered in lecture, it does not mean it will not be on the test. All material on your Powerpoint handouts may be on your test. I have intended to make this guide comprehensive but it is NOT a *guide* to the questions on the test.

1. Define Anatomy and Physiology
2. What do we mean by levels of organization and what is the order from organism to atom?
3. Describe anatomical position. Why is the supinated position of importance?
4. Be able to identify the anatomical regions covered.
5. Name the regions of the abdominoplevic cavity.
6. Name the linings of the cardiac, pleural and abdominal cavities.
7. What is ECF and ICF?
8. What is the structure of the cell membrane?
9. Recognize the structure of a phospholipid. What is the symbol?
10. What is polarity? Is water polar?
11. How do hydrophobic and hydrophilic regions of the membrane differ?
12. What molecules are embedded or transverse the cell membrane?
13. Compare active transport to passive transport.

14. Compare microfilaments, intermediate filaments and microtubules.
15. Compare microvilli, cilia and flagella. What cells would they be found on?
16. Give the function of ribosomes, ER (rough and smooth) mitochondria, nucleus, Golgi apparatus, lysosomes and peroxisomes.
17. Compare tight junctions, desmosomes and gap junctions.