BIOLOGY 0861 **BASIC BIOLOGY VOCABULARY** January 6,8 2015

1. Be able to explain what the importance of each characteristic listed below is to a living organism:
2. made up of cells
3. require nutrients, need to be able to get rid of wastes.
4. Reproduce
5. Respond to their environment
6. Have a universal genetic code
7. Grow/evolve
8. Maintain a stable internal environment (homeostasis)
9. Be able to list the two general category of cells and identify what types of cells are found in each category.
10. Identify the following organelles as belonging to plant, animal, fungi and or protist cells.
11. cell wall
12. cell membrane
13. nucleus
14. DNA
15. Mitochondria
16. Chloroplasts
17. Ventral vacuole
18. Cellulose is a component of what organelle of a plant cell? What is the

importance of cellulose to our diet?

1. What is photosynthesis? What type of cell carries out photosynthesis? What organelle is required for photosynthesis?
2. Be able to explain the terms: autotroph and heterotroph
3. What are the 4 types of tissues found in animals? What is a tissue?
4. Be able to explain the following terms relating to reproduction:
5. asexual reproduction
6. sexual reproduction
7. mitosis
8. meiosis
9. gametes
10. daughter cells
11. parent cell
12. spores
13. zygote
14. larvae
15. haploid
16. diploid
17. chromosomes
18. What is the purpose of sexual reproduction?
19. What is the main difference between asexual reproduction and sexual reproduction?
20. List 3 types of asexual reproduction and give an example of each type.