

List of Topics Assessed on Honors Biology Placement Test

1. Life Science

a. Prokaryotes/Eukaryotes

1. Compare and Contrast

b. Cell structure and function

1. Plant vs Animal

2. Organelles

(a) Nucleus

(b) Plasma Membrane

(c) Mitochondria (mDNA)

(d) Chloroplast (cDNA)

(e) Vacuoles

3. Cell Cycle, Interphase, Mitosis, Cytokinesis

(a) Asexual reproduction

(b) Sexual reproduction

(c) Stages of Mitosis

4. DNA vs RNA

5. Mendel Basic Genetics

6. Punnett Square

(a) Dominant, Recessive Alleles/Genes

Chemistry/Physical Science

1. Atom

a. Subatomic particles

b. Charges/location within the atom

c. Chemical reactions

d. Physical vs chemical reaction

e. Properties of Water

Math: KNOW how to read and interpret graphs