

PCB BIO 4 ASSIGNMENT SHEET 14: NOVEMBER 16-18, 2009

Reading, Preparation, Study Questions, Practice Essays, Labs.

ASSIGNMENT	DESCRIPTION
MONDAY	<p>reminder: DNA is genetic material found in structures called chromosomes inside the nucleus in eukaryotes. You should know that, and in addition, you should know DNA has information in it that directs cell protein production. That is really important for life since proteins themselves are responsible or are directly involved in all cell processes.</p> <p>This week we turn our focus to genetics, the study of genes. Genes are sections of DNA that code for specific proteins. There used to be a one gene, one protein hypothesis, but that is being challenged as new experiments are done.</p> <p>You have to be disciplined and read your book this week and before you return from the short break for conferences, You have to study your book and the vocabulary associated with genetics. Chapter 9 is the place to dwell.</p> <p>Tonight:</p> <p>A. Define, and learn these terms:</p> <ul style="list-style-type: none">• Chromosome• Gene• Locus• Allele• Hybrid• Gamete• Genotype• Phenotype• Dominant• Recessive <p>B. Complete the "Family Traits" table and discussion questions we started in class today.</p>
TUESDAY	<ol style="list-style-type: none">1. Be able to do monohybrid and dihybrid crosses by Monday of next week.2. Keep on learning
WEDNESDAY	Conferences. Discuss Mammals with friend or imaginary friend.
THURSDAY	No School Conferences
FRIDAY	No School Institute Day