

Study Questions, Lecture 3/11/14

1. What is the overall point of transcription and translation?
2. Where in the cell does transcription take place? Translation?
3. How are mRNA and tRNA different?
4. What is a codon?
5. What kind of genotype is PP? Homozygous or heterozygous?
6. Draw the Punnett Square for a mating between an organism that has the genotype Pp and one that has the genotype pp. If the P allele means you have green skin and the p allele means you have blue skin, what fraction of the F1 offspring would have green skin?
7. What is incomplete dominance?
8. What is epigenetics? How might epigenetics contribute to disease, and how might we use epigenetics to combat disease?
9. How can 1 member of the pair of identical twins get cancer and the other does not?