

Biology: Hereditary Patterns. Test Quiz

1. Who do we inherit our DNA from?
 - a. Cousins
 - b. Siblings
 - c. Parents
 - d. Uncles and aunts
 - e. No one
2. Most genes within DNA hold instructions for the cell to make a specific
 - a. Carbohydrate
 - b. Chromosome
 - c. Lipid
 - d. Protein
 - e. Starch
3. What is the name for the sequence of a gene that determines a specific trait like brown eyes?
 - a. Allele
 - b. DNA
 - c. Centromere
 - d. Nucleus
 - e. RNA
4. If someone has a brown eye gene and a blue eye gene, they will have brown eyes. What is the brown eye gene called?
 - a. Incumbent
 - b. Relaxed
 - c. Dominant
 - d. Passive
 - e. Recessive
5. If someone has a brown eye gene and a blue eye gene, they will have brown eyes. What is the blue eye gene called?
 - a. Incumbent
 - b. Relaxed
 - c. Dominant
 - d. Passive
 - e. Recessive
6. When writing genes in a Punnett Square, what type of letter is used for the dominant gene?
 - a. Upper case
 - b. Bold
 - c. Italic
 - d. Lower case
 - e. Red
7. If both parents have one dominant gene and one recessive gene, what percentage of children will exhibit the dominant gene?
 - a. 0 percent
 - b. 25 percent
 - c. 50 percent
 - d. 75 percent
 - e. 100 percent

8. If one parent has two dominant genes and the other parent has two recessive genes, what percentage of children will exhibit the dominant gene?
- a. 0 percent
 - b. 25 percent
 - c. 50 percent
 - d. 75 percent
 - e. 100 percent
9. If one parent has two recessive genes and the other parent has one dominant and one recessive genes, what percentage of children will exhibit the dominant gene?
- a. 0 percent
 - b. 25 percent
 - c. 50 percent
 - d. 75 percent
 - e. 100 percent
10. What is it called when two genes are the same (both dominant or both recessive)?
- a. Homozygous
 - b. Heterozygous
 - c. Impossible