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BIO201
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1. The number of alleles controlling albinism is ____.

--->> 2

3

4

6

2. _____ is the phenomenon wherein the effect of one gene (locus) is dependent on the presence of one or more 'modifier genes'

--->> Epistasis

Homeostasis

Epigenesis

Hypogenesis

3. In any cross between two heterozygotes for one locus all genotypes occur in a fraction of

1

--->> $\frac{1}{4}$

$\frac{1}{2}$

$\frac{3}{4}$

4. Which of the following is an example of sex-influenced trait?

Haemophilia

Blood group

--->> Baldness

Hight

5. The sex which produces only one type of gamete is described as the _____

monogametic

digametic

heterogametic

--->> homogametic

6. Who observed that in certain insects, the nuclei of half of the sperm contain an extra structure?

Lamarck

--->> Hermann Henking

Weisman

Mendel

7. A phenomenon in which a portion of one chromosome is transferred to another chromosome is known as ____.

crossing over

deletion

--->> translocation

all of the options

8. Any traits present on the Y-chromosome will be transmitted from father to son only, such traits are said to be

sex link

Mongolia idiocy

--->> Holandric

polandric

9. If the genes for a trait occur in both sexes, but the expression of the trait is different in the sexes, the trait is said to be ____.

sex link

sex control

sex determine

--->> sex influnce

10. The genetic materials within the chromosome is _____

--->> DNA

chromosomes

chromatin

ribosomes