Weekly Warm-Ups - January 22 - February 2

Name:

Core:

Answer the Daily Warm-Up Questions.



Friday, 1/26 -

Hemophilia is a sex-linked recessive trait in humans. If a father and a son are both hemophiliacs, but the mother is normal, her genotype must be:

 A.
 X ${}^{h}X {}^{h}$ B.
 X^{H}X^{h}

 C.
 X^{H} X^{H}
 D.
 X^{H}Y

Monday, 1/27



- a. Individual I₁ is heterozygous for the trait
- b. Any child of II_5 and II_6 will show the trait
- c. At least one parent of I_2 has the trait
- d. Any child of II_1 and II_2 has a one in two chance of having the trait

Tuesday, 1/30

An organism's traits are largely determined by the genetic makeup of its parents. A mutation in which kinds of cells in a parent could cause a new trait to appear in the parent's offspring?

- A. Sperm or egg cells
- B. Nerve or muscle cells
- C. Muscle or brain cells
- D. Liver or lung cells

Why would a mutation in the other cell types NOT appear in the offspring?

Wednesday, 1/31

Match the following terminology.

- _____1. Gene A. Genotype that has two of the same alleles for a trait.
- 2. Allele B. Allele that can "hide" another trait.
- _____ 3. Dominant C. A unit of heredity that determines a specific trait.
- 4. Recessive D. The various forms of the same gene.
- 5. Heterozygous E. Alleles that are only expressed when two copies are present.
- 6. Homozygous F. Genotype that has 2 different alleles for a trait.

Thursday, 2/1

What type of inheritance pattern would it be if a homozygous red flower and a homozygous blue flower cross and produce offspring that are both blue and red?______Create a Punnett Square for this cross.

Friday, 2/2 Login Google Classroom to complete the Warm Up Quiz.