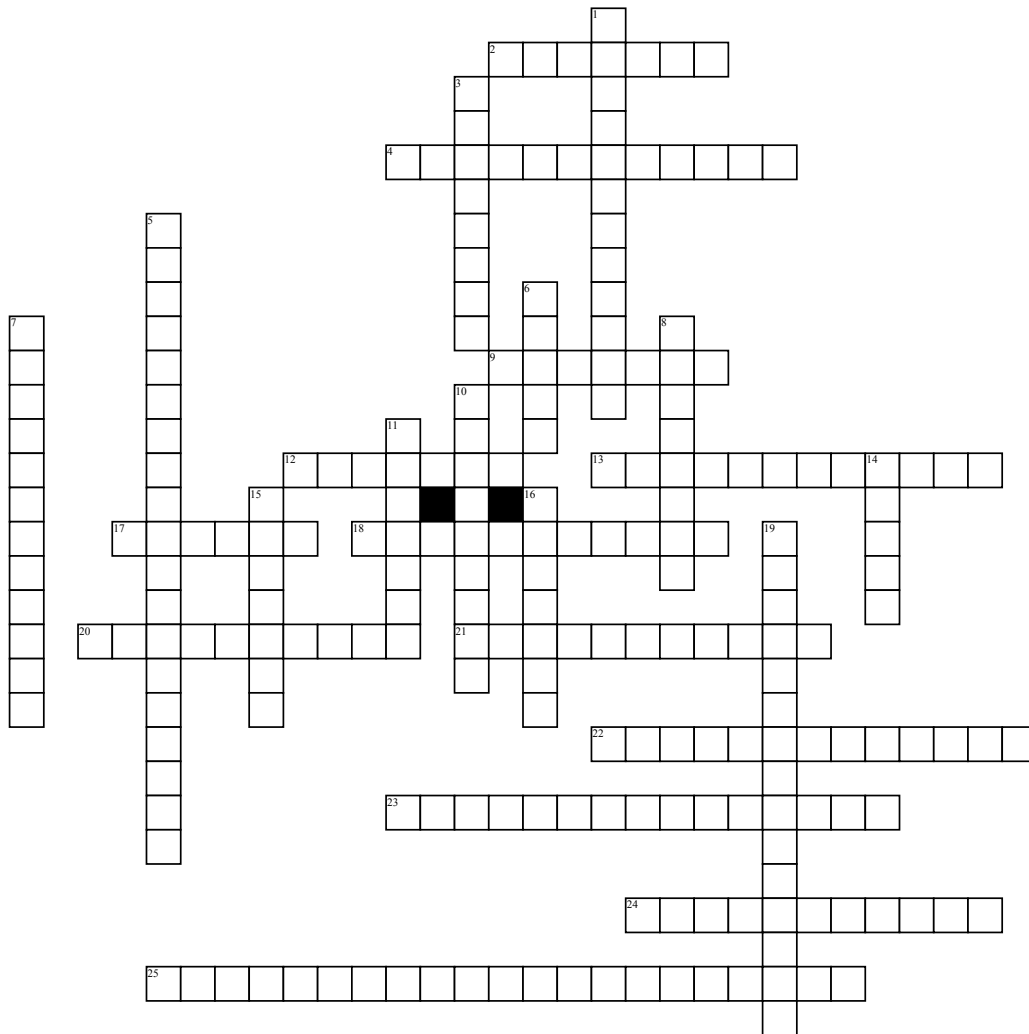


Name: _____ Date: _____ Period: _____

(March 18 2020) Puzzle by Angel Castro pgs: 263, 267, 270, 275



Across

2. The offspring of crosses between parents with different traits are called _____.
4. the gene combinations that might result from a genetic cross can be determined by drawing a diagram known as a _____.
9. Mendel suggested that the alleles for tallness and shortness in the F1 plants must have segregated from each other during the formation of the sex cells, or _____.
12. The different forms of a gene are called _____.
13. organisms that have two different alleles for the same trait are _____.
17. Each chromosome pairs with its corresponding homologous chromosome to form a structure called a _____.
18. Both alleles contribute to the phenotype.
20. two sets of chromosomes are _____.
21. the likelihood that a particular event will occur is called _____.
22. During sexual reproduction, male and female reproductive cells join, a process known as _____.

23. Traits controlled by two or more genes.

24. how did this separation, or _____, of alleles occur?

25. The alleles for seed shape segregated independently for those for seed color - a principle known as _____.

Down

1. they exchange portions of their chromatids in the process of chromatids called _____.
3. they have the same _____, or genetic makeup.
5. cases in which one allele is not completely dominant over another are called _____.
6. A _____ is a specific characteristic of an individual, such as seed color or plant height, and may vary from one individual to another.
7. these peas were _____, meaning that if they were allowed self-pollinate, they would produce offspring identical to themselves.
8. The scientific study of heredity is called _____.
10. all of the tall plants have the same _____, or physical characteristics.

11. the cellular process that results in the number of chromosomes in gamete-producing cells being reduced to one half.

14. Scientists call the factors that are passed from parent to offspring _____.

15. contain only a single set of chromosomes

16. A cell that contains both sets of homologous chromosomes is said to be _____.

19. Many genes have more than two alleles and are therefore said to have _____.

Word Bank

hybrids	alleles	incomplete dominance	true-breeding	polygenic traits
diploid	genotype	phenotype	codominance	crossing over
Meiosis	probability	haploid	trait	tetrad
Fertilization	multiple alleles	punnett square	gametes	Independent assortment
homologous	heterozygous	segregation	Genetics	genes