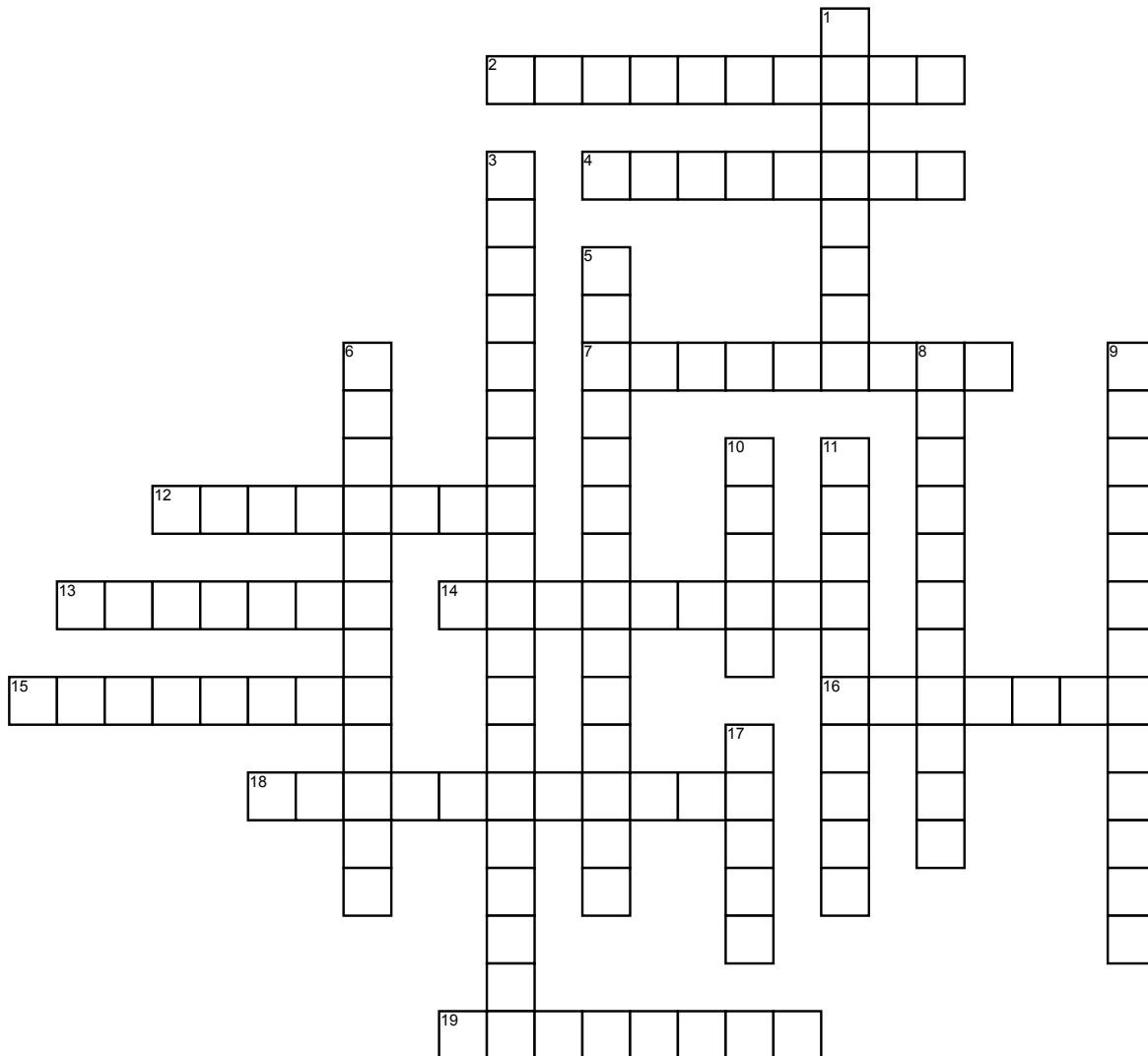


Name: _____

Date: _____

~ Genetics Vocabulary ~



Across

2. An organism that has two identical alleles for a trait (hh, TT, gg)

4. Passing of traits from parents to offspring

7. An individual's observable trait (brown hair, blue eyes, etc.)

12. A chart or "family tree" that tracks which members of a family have a particular trait

13. A person whose genotype includes a gene that is not expressed in the phenotype.

14. An allele that is only expressed in the phenotype if there is not a dominant allele in the genotype it is said to be

15. Allele make-up of a person; you cannot see this (ex: PP or Pp or pp)

16. Different forms of a gene

18. both alleles in a heterozygous pair individually contribute to the phenotype. Instead of a blend of the phenotype the pair has a different phenotype.

19. Study of traits, genes and heredity

Down

1. An allele or a gene that is expressed in an organism's phenotype, masking the effect of the recessive allele or gene when present.

3. The condition where both alleles are partially expressed in a BLENDED appearance of the trait.

5. trait shown in phenotype

6. Father of genetics

8. A number with a value from 0 to 1 that describes the likelihood that an event will occur. For example, if a bag contains a red marble, a white marble and a blue marble then the probability of selecting a red marble is 1/3.

9. A chart used to show all the ways genes from two parents can combine and be passed to offspring; used to predict all genotypes that are possible

10. an expression that compares two quantities (1/4 or 3:4)

11. One step in the line of descent of a family

17. Segments of DNA on chromosomes that code for specific traits