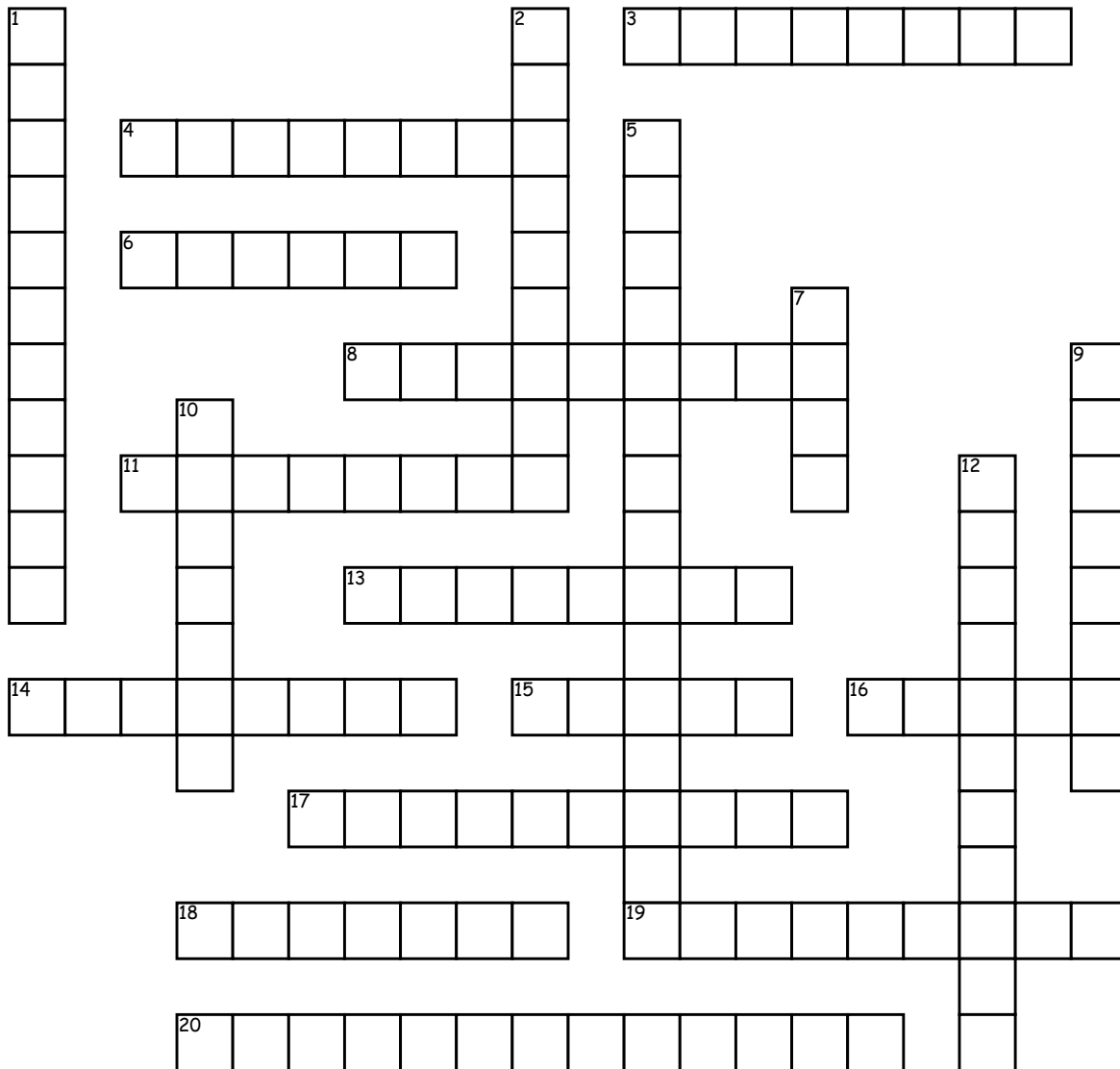


Name: _____

Genetics



Across

3. the offspring of many generations that have the same traits

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

6. An organism that has two different alleles for a trait; an organism that is heterozygous for a particular trait

8. A picture of all the chromosomes in a cell arranged in pairs

11. An organism's genetic makeup, or allele combinations

13. A change in a gene or chromosome

14. An allele whose trait always shows up in the organism when the allele is present

15. An organism that is genetically identical to the organism from which it was produced

16. A characteristic that an organism can pass on to its offspring through its genes

17. A selective breeding method in which two individuals with identical or similar sets of alleles were crossed.

18. A person who has one recessive allele for a trait but does not have the trait

19. An allele that is masked when a dominant allele is present

20. A selective breeding method in which two genetically different individuals are crossed

Down

1. A number that describes how likely it is that an event will occur

2. An organism's physical appearance or visible traits

5. An abnormal condition that a person inherits through genes or chromosomes

7. The set of information that controls a trait; a segment of DNA on a chromosome that codes for a specific trait

9. The passing of traits from parents to offspring

10. The process that occurs in the formation of sex cells by which the number of chromosomes is reduced by half

12. The likelihood that a possible future event will occur in any given instance of the event; the mathematical ratio of the number of times one outcome of any event is likely to occur to the number of possible outcomes of the event