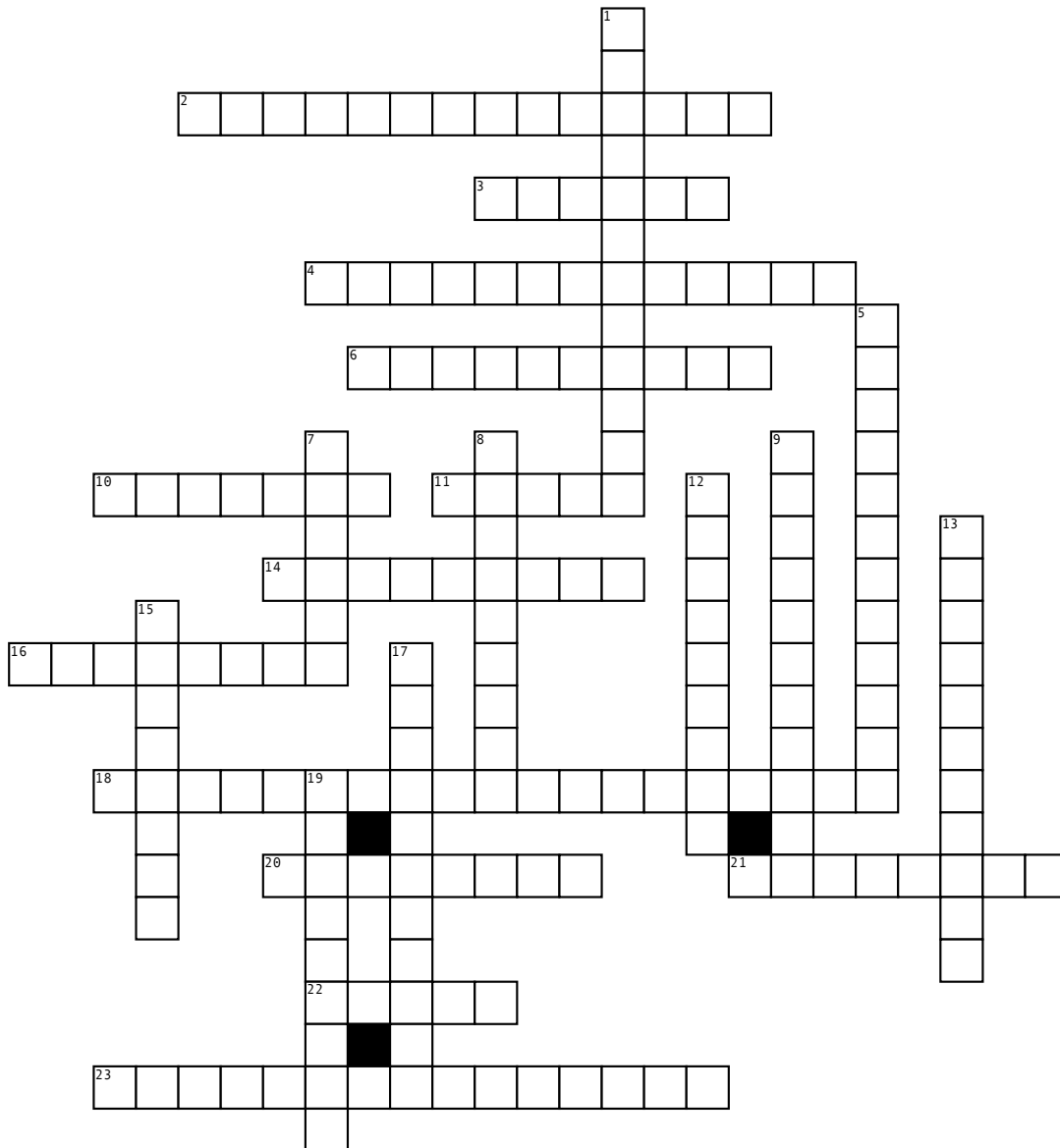


Name: _____

Date: _____

Heredity/Meiosis



Across

2. error in meiosis in which the homologous chromosomes fail to separate

3. offspring of crosses between parents with different traits

4. an act or process of fertilizing

6. having two identical alleles for a particular gene TT

10. any of several forms of a gene, usually arising through mutation, responsible for heredity variation

11. segment of DNA that provides coded instructions for the RNA

14. trait controlled by two or more genes

16. genetic make-up of an organism

18. situation which one allele is not completely dominant over another allele

20. shows the presence or absence of a trait according to the relationships within a family across several generations

21. science of heredity, comparison of related organisms

22. distinguishing characteristic or quality

23. gene that has more than two alleles

Down

1. having two different alleles for a particular gene Tt

5. diagram that can be used to predict the genotype and phenotype of a genetic cross

7. entire set of genetic information that an organism carries in its DNA

8. this allele is masked by the dominant one in the same organism/cell

9. situation in which the phenotypes produced by both alleles are completely expressed

12. change in the genetic material of a cell

13. chance or likelihood of something

15. one allele that masks the other when both are present in the same organism/cell

17. DNA sequences that are close together on a chromosome to be inherited during meiosis

19. physical characteristics of an organism