



# Genetics

Name:

## Genes & Traits Crossword

Period:

Use Chapter 6, Sections 1 and 2 of the book, and your brain, to check the answers. Write your answers next to the clues below and on the puzzle on the next page.

### Across

- \_\_\_\_\_ 1. Mendel proved that this early idea was not true for many traits  
(2 words)
- \_\_\_\_\_ 3. this happens when pollen from one plant fertilizes a flower on a  
different plant (2 words)
- \_\_\_\_\_ 5. the study of how traits are inherited
- \_\_\_\_\_ 7. variations of a gene (like dominant and recessive)
- \_\_\_\_\_ 8. term describing genotype with two dominant or two recessive alleles
- \_\_\_\_\_ 12. an insect that commonly pollinates flowers
- \_\_\_\_\_ 13. type of plant used by Mendel in his experiments (2 words)
- \_\_\_\_\_ 15. something you eat that is made of bee barf
- \_\_\_\_\_ 16. tiger trait controlled by a gene that also controls eye color  
(2 words)
- \_\_\_\_\_ 17. molecules in the nucleus that are instructions for what an organism will look like
- \_\_\_\_\_ 18. what something looks like as a result of its genes
- \_\_\_\_\_ 20. when traits get passed from parents to offspring
- \_\_\_\_\_ 22. term describing genotype with one dominant and one recessive allele
- \_\_\_\_\_ 24. different forms of characteristics
- \_\_\_\_\_ 25. a grid used to predict possible genotypes of offspring (2 words)
- \_\_\_\_\_ 26. this can also influence traits
- \_\_\_\_\_ 27. less common trait (2 words)
- \_\_\_\_\_ 28. a set of instructions for an inherited trait
- \_\_\_\_\_ 29. this happens when pollen from one plant fertilizes a flower on the  
same plant (2 words)
- \_\_\_\_\_ 30. causes differences in corn snake colors (2 words)



### Down

- \_\_\_\_\_ 2. parts of a flower that Mendel removed to prevent self-pollination
- \_\_\_\_\_ 4. a feature that has different forms in a population
- \_\_\_\_\_ 6. when parents are chosen to breed
- \_\_\_\_\_ 9. monk and scientist who did lots of experiments about heredity  
(2 words)
- \_\_\_\_\_ 10. the combination of genes for a trait (the letter codes for what the genes look like)
- \_\_\_\_\_ 11. trait always present in first generation; stronger trait (2 words)
- \_\_\_\_\_ 14. relationship between two numbers that is often a fraction
- \_\_\_\_\_ 19. the mathematical chance that something will happen
- \_\_\_\_\_ 21. when this plant self- pollinates the offspring will have  
the same traits as the parent (3 words)
- \_\_\_\_\_ 23. a genetic disorder that causes red blood cells to  
collapse (3 words)

**Genetics**  
**Genes & Traits Crossword**

Name:  
Period:

***extra nifty word bank***

alleles  
anthers  
bee  
blending inheritance  
characteristic  
cross  
cross pollination  
DNA  
dominant trait  
environment  
gene  
genetic variation  
genetics  
genotype  
Gregor Mendel  
heredity  
heterozygous  
homozygous  
honey  
pea plants  
phenotype  
probability  
Punnett square  
ratio  
recessive trait  
self-pollination  
sickle cell anemia  
traits  
true breeding plant  
white fur