

Genetics

Name: _____

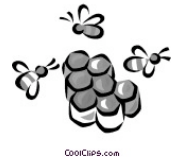
Genes & Traits Crossword

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 that 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)

