

[Across]

4. The mechanisms that turn gene expression on or off; can be influenced by environmental factors
5. The evolution of skin colors was prompted by variations in the intensity of _____
8. The type of twins that share the exact same DNA
12. The functional unit of DNA
13. Genetic material
14. The collective of physical traits of an individual
15. The word describing a deformed shape of red blood cells that protects against malaria
16. An illness caused by a virus
17. Most adult mammals do not drink _____
18. The chemical that can bind to DNA and affect gene expression

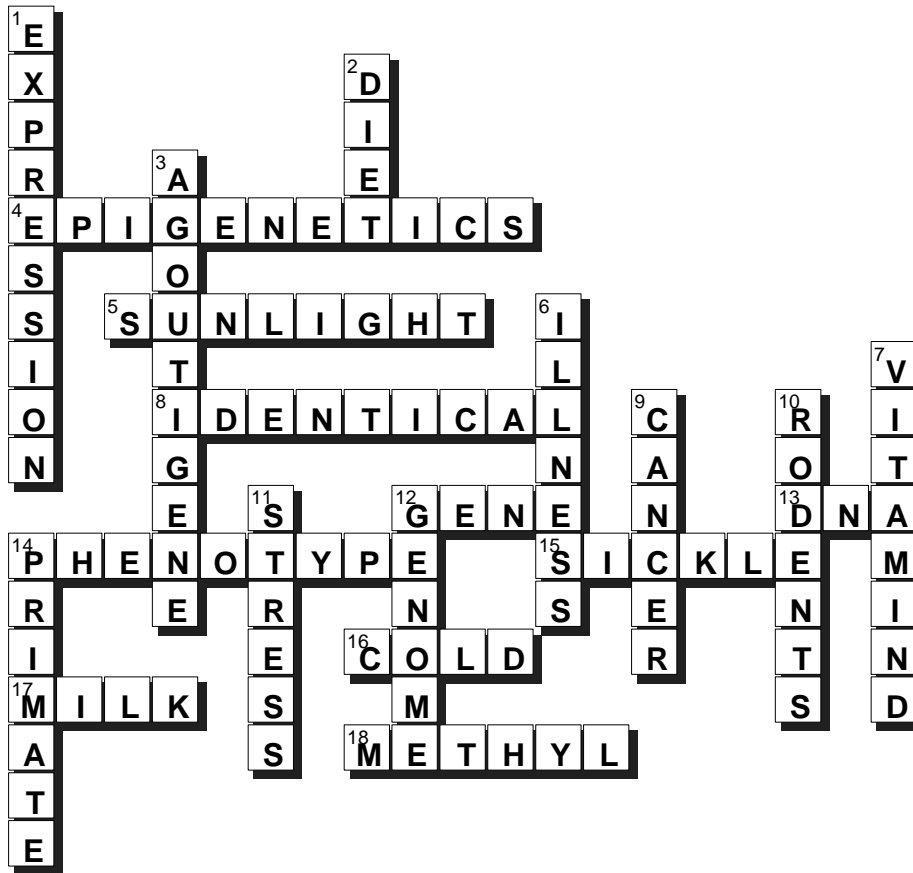
[Down]

1. The process of a gene becoming RNA and protein
2. The type of food eaten by an organism
3. Causes mice to have brown or yellow fur and small or large body sizes when on or off
6. A disease or duration of sickness that affects the body, the mind, or both
7. The nutrient that develops in your skin when exposed to sunlight (two words)
9. A disease caused by abnormal cells
10. The group of animals that includes mice and rats
11. A gene for a hormone may regulate how well baby mice deal with _____
12. All the genetic material in a person
14. The group that includes humans, other apes, and monkeys



Try our crossword puzzle based on one of our web articles. You can learn more about this topic when you read the article *Controlling the Code* on the Ask An Anthropologist website.

<https://askananthropologist.asu.edu/epigenetics>



[Across]

- 4. EPIGENETICS
- 5. SUNLIGHT
- 8. IDENTICAL
- 12. GENE
- 13. DNA
- 14. PHENOTYPE
- 15. SICKLE
- 16. COLD
- 17. MILK
- 18. METHYL

SOLUTION



[Down]

- 1. EXPRESSION
- 2. DIET
- 3. AGOUTIGENE
- 6. ILLNESS
- 7. VITAMIND
- 9. CANCER
- 10. RODENTS
- 11. STRESS
- 12. GENE
- 14. PRIMATE

This solution above will let you see how well you did with the puzzle. Try some of the other puzzles at the *Ask An Anthropologist* web site listed below.