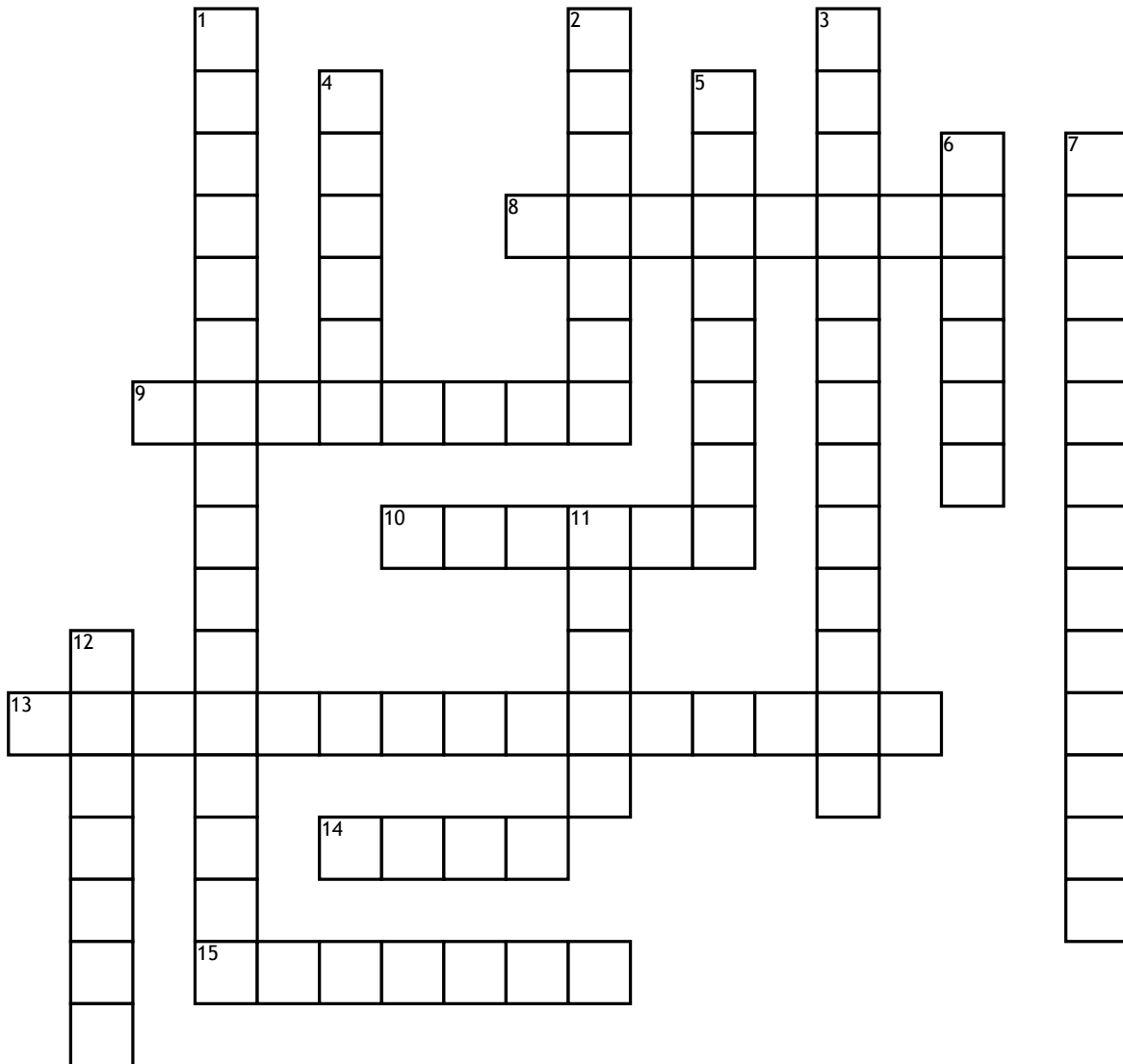


# Science Contract #5



**Across**

- 8. The passing on of characteristics from parents to offspring
- 9. The Scientific Study of heredity
- 10. Positively charged particle of an atom
- 13. Contains two or more branches for current to flow through
- 14. a unit of heredity that is transferred from a parent to offspring

- 15. Neutral particle of an atom

**Down**

- 1. Every organism has two alleles of each gene and when gametes are produced the alleles separate.
- 2. Different forms of genes
- 3. Current has only one loop to flow through
- 4. A diploid cell resulting from the fusion of two haploid gametes; a fertilized egg

- 5. Negatively charged particle of an atom
- 6. Offspring of parents that have different forms of a trait.
- 7. Occurs when the male and female reproductive cells join
- 11. A distinguishing quality or characteristic
- 12. Male and female sex cells