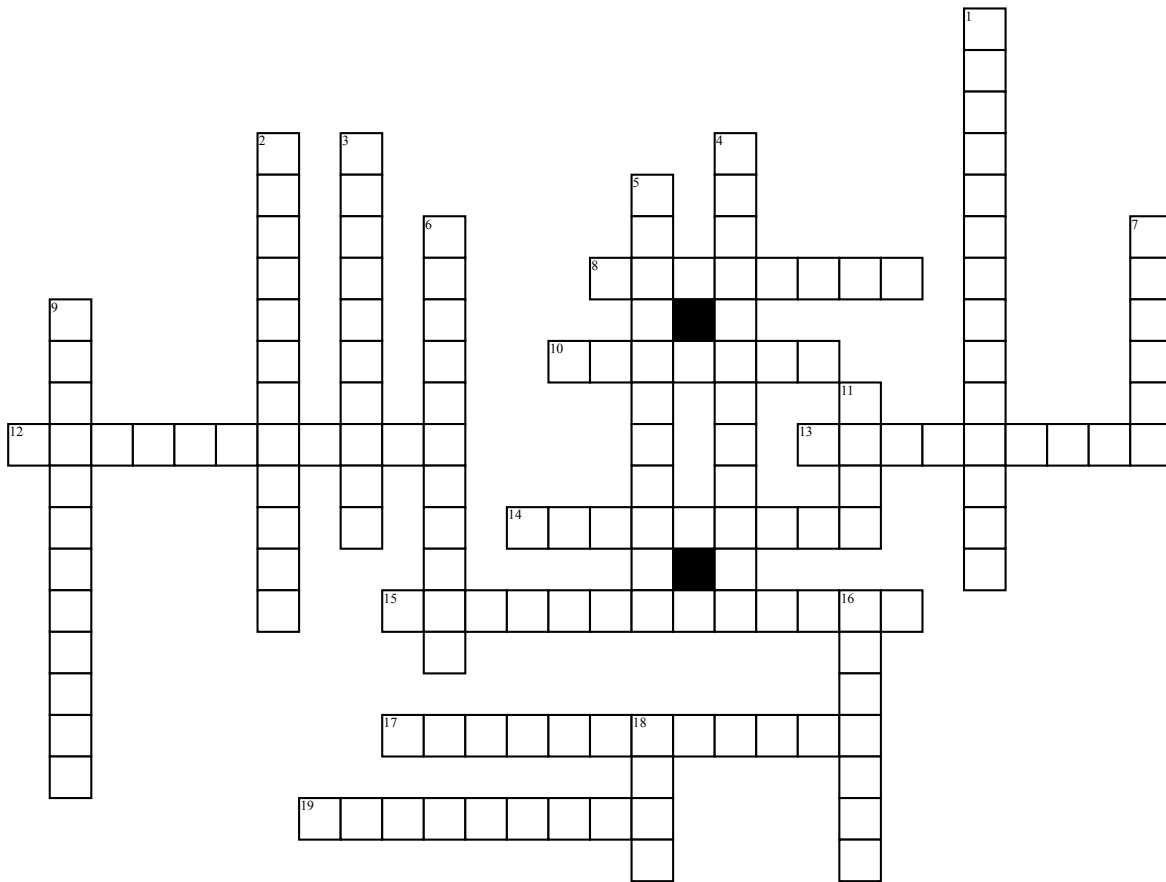


3.2 Vocabulary



Across

8. the passing of traits from parent to offspring

10. a group of organisms that share similar characteristics and can mate with each other to produce offspring

12. the duplication of an organism, a cell, or genetic material within a cell

13. a genetic trait that lacks the ability to manifest itself when a dominant gene is present

14. being in control

15. a genetic trait passed from parent to child that is more likely to be expressed

17. a chart used to determine the possible genetic outcomes for offspring of a given cross

19. the observable traits of an organism passed on from parent to offspring

Down

1. a feature of an organism

2. the first generations of offspring of a genetic cross

3. a group of related organisms making up a single step in the line of descent

4. a genetically determined condition or characteristic

5. in genetics, this is the first set of individuals crossed with one another; the "parental" generation

6. the transfer of pollen from the stamen (male) to the stigma (female)

7. one member of a pair or series of genes on specific chromosomes in specific positions

9. having different pairs of genes for any given pair of hereditary characteristics

11. the basic unit of heredity in a living organism; a segment of DNA or RNA

16. to receive genetic information and traits from a parent or parents

18. plant structure that contains a young plant, food supply, and protective coating