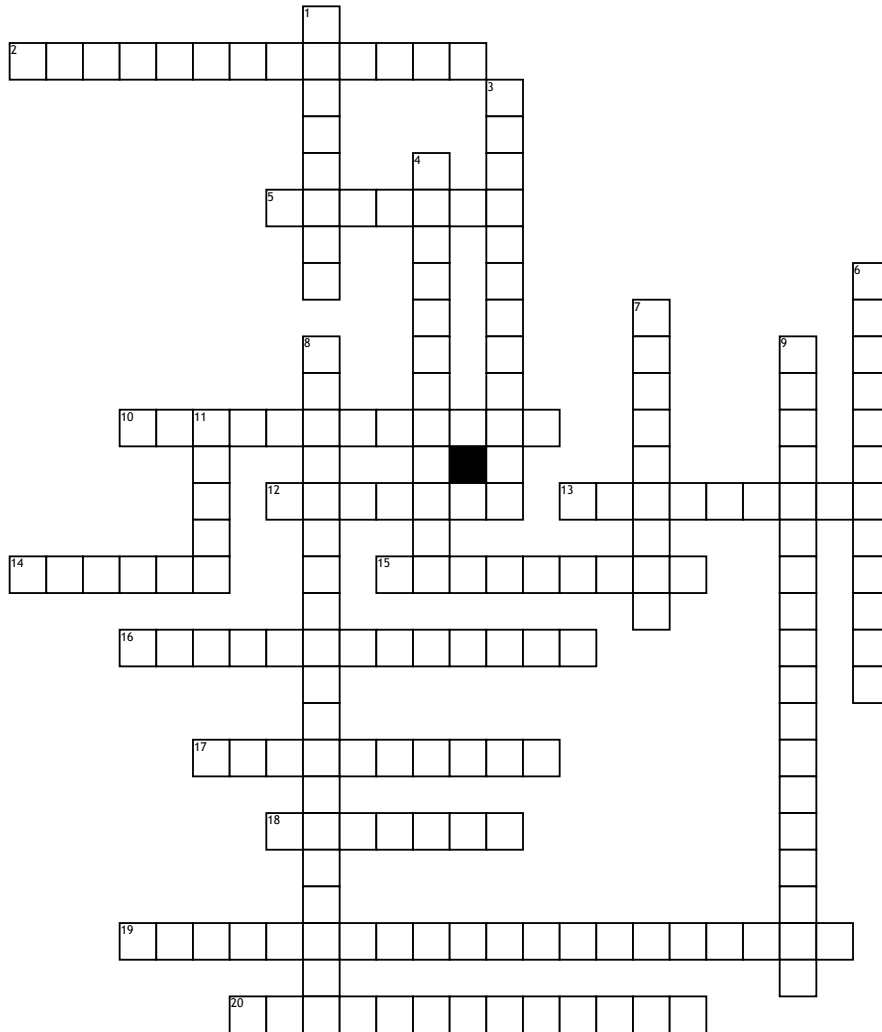


# Cells, Reproduction, Heredity



**Across**

- 2. a gene that can be masked by a dominant gene
- 5. contains watery liquid within a cell
- 10. process of regenerating or being regenerated, in particular the formation of new animal or plant tissue.
- 12. controls all cell activity
- 13. jelly like substance holding the organelles in place
- 14. one-celled reproductive unit capable of giving rise to a new individual without sexual fusion
- 15. gene composition of an organism or cell for a given trait

- 16. a parent organism breaks into fragments, each capable of growing independently into a new organism.
- 17. both alleles are identical for a single trait
- 18. formation of an outgrowth from an organism that is capable of developing into a new individual.
- 19. process by which new organisms arise without production of seeds or spores.
- 20. a cell divides giving rise to two cells, each having the potential to grow to the size of the original cell

**Down**

- 1. protects the cell, found in only plant cells
- 3. 2 different alleles for a single trait
- 4. masking the effect of the recessive allele
- 6. controls what enters and exits the cell
- 7. refers to physical characteristics such as height and color
- 8. the offspring is a clone of the parent organism
- 9. reproduction involving the fusion of female sperm and male sperm
- 11. contain the genetic codes

**Word Bank**

- |               |                |                         |                      |
|---------------|----------------|-------------------------|----------------------|
| homozygous    | nucleus        | cytoplasm               | genotype             |
| regeneration  | cell membrane  | sexual reproduction     | asexual reproduction |
| dominant gene | heterozygous   | binary fission          | vacuole              |
| fragmentation | recessive gene | cell wall               | genes                |
| spores        | phenotype      | vegetative reproduction | budding              |