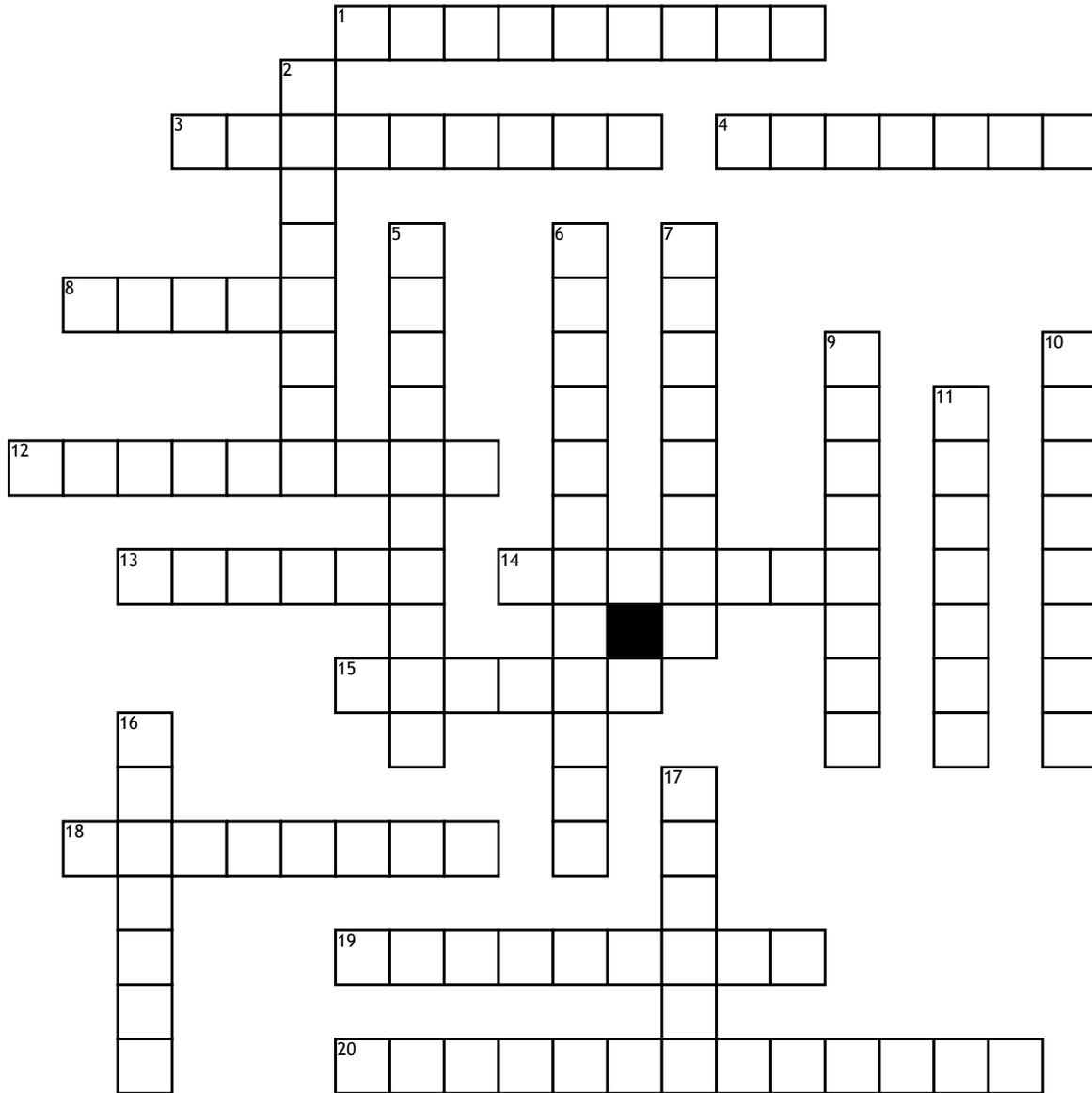


# Organization of Life



**Across**

- 1. Metabolism is the total of all chemical reaction, including catabolism and \_\_\_\_\_
- 3. DNA provides instructions for making \_\_\_\_\_ called proteins.
- 4. Prokaryotic cells do not have a \_\_\_\_\_ or membrane-bound organelles.
- 8. Centriole pairs and lysosomes are common to animal cells but are limited in \_\_\_\_\_ cells.
- 12. Osmosis is the \_\_\_\_\_ of water through a selectively permeable membrane.
- 13. The process of creating cell \_\_\_\_\_ is known as cellular respiration.
- 14. The cell membrane is made up of a \_\_\_\_\_ of phospholipids.

- 15. Biology is the study of all \_\_\_\_\_ things.
  - 18. Turgor \_\_\_\_\_ is when plant cells have adequate supply of water, the water exerts pressure against the cell walls.
  - 19. Organisms grow by \_\_\_\_\_ more cells and cell enlargement.
  - 20. An organism that is made up of many specialized cells.
- Down**
- 2. Chloroplasts, chromoplasts and leucoplasts are known as \_\_\_\_\_.
  - 5. \_\_\_\_\_ is the splitting of glucose, happening in the cytoplasm.
  - 6. A phylogenetic tree is a diagram shows the \_\_\_\_\_ relationships.

- 7. Photosynthesis is the \_\_\_\_\_ reaction in which light energy is converted to chemical energy in glucose.
- 9. The cell \_\_\_\_\_ only allows certain materials to go in and out of the cell.
- 10. Some \_\_\_\_\_ have a sugar unit attached to their surface.
- 11. Hypertonic Solutions have a greater concentration \_\_\_\_\_ of the cell than inside of the cell.
- 16. \_\_\_\_\_ Respiration requires oxygen and is the complete oxidation is glucose to produce 36 ATP.
- 17. \_\_\_\_\_ Transport is when materials move from low concentration to high concentration.