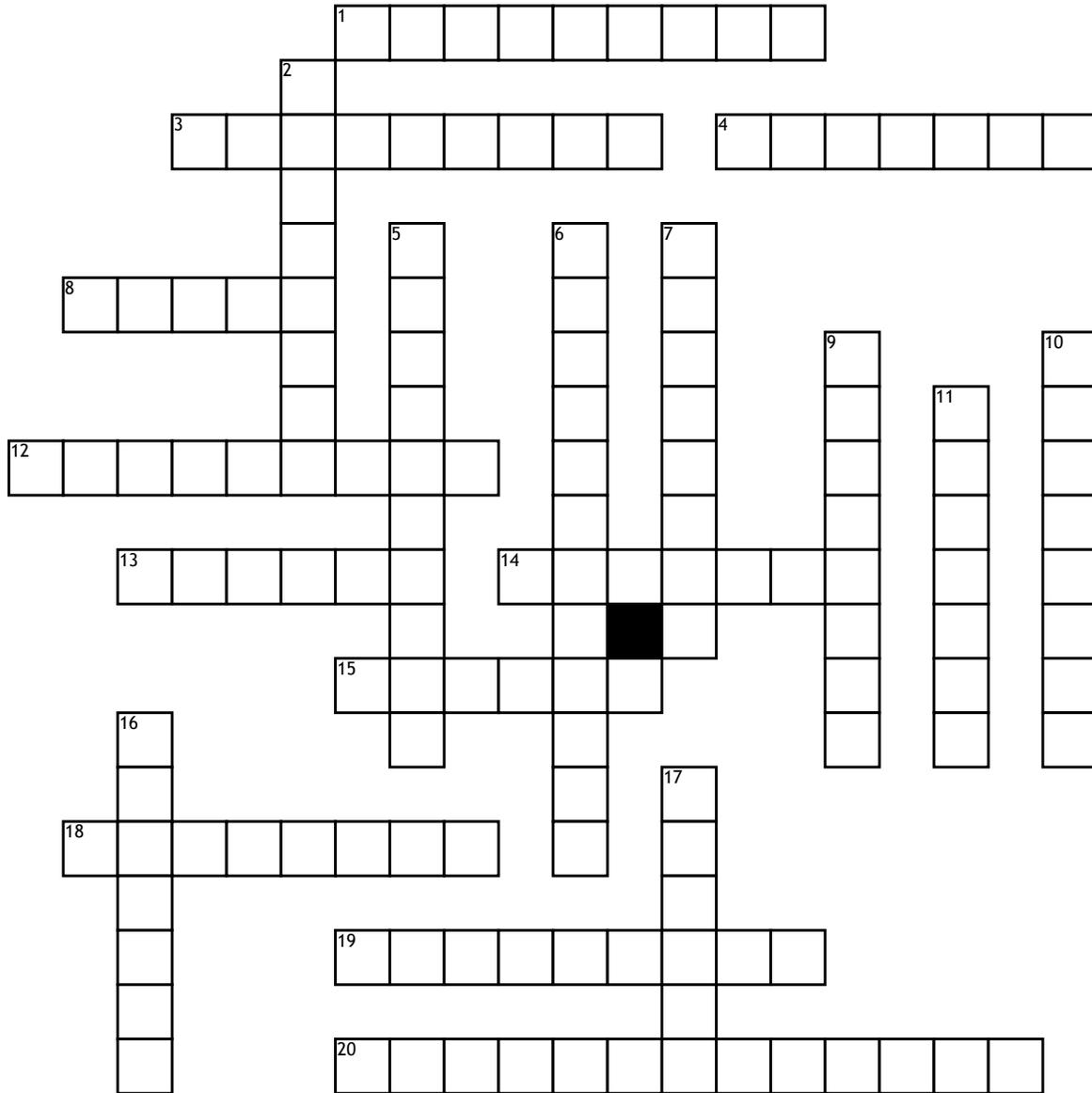


Organization of Life



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.