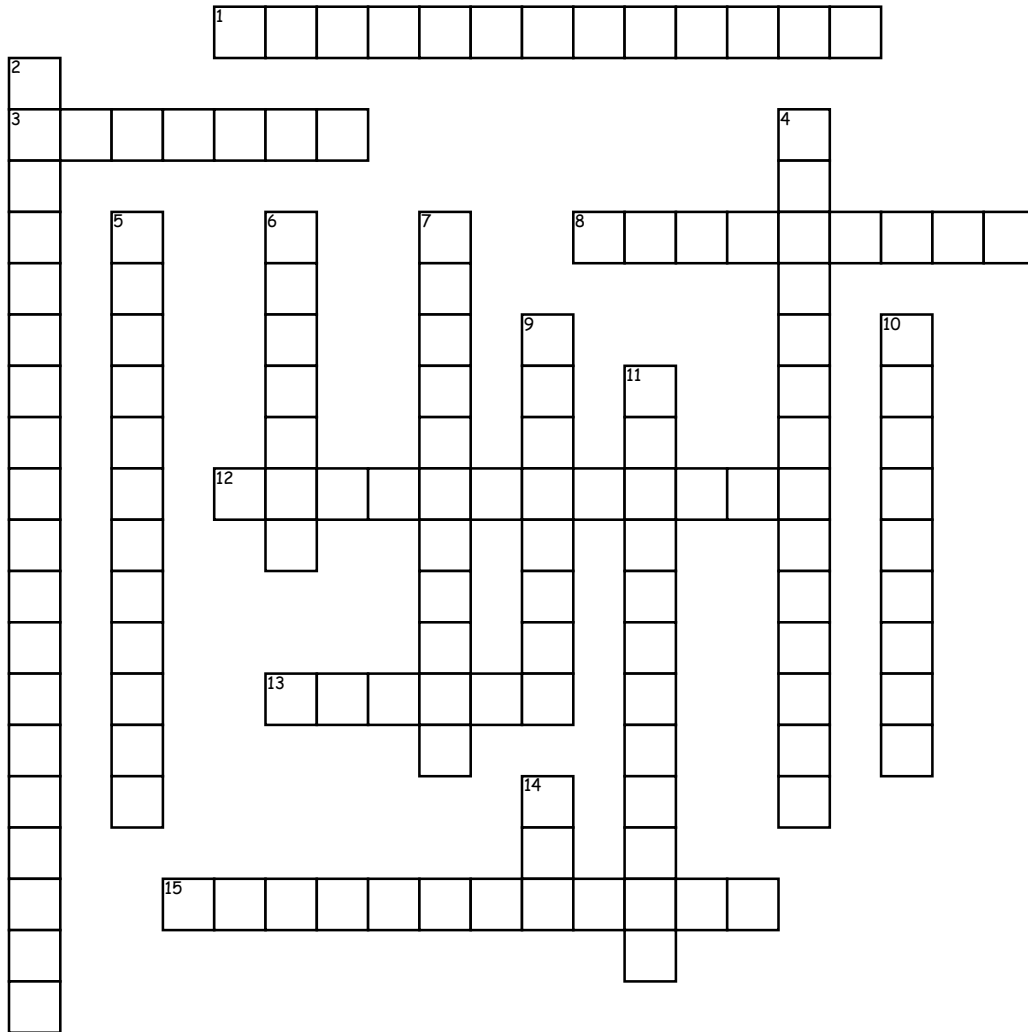


All About Cells



Across

- 1. _____ are energy-rich organic compounds made of the elements carbon, hydrogen, and oxygen.
- 3. An _____ is any substance that cannot be broken down into simpler substances.
- 8. _____ form when two or more elements combine chemically.
- 12. _____ is an energy releasing process that does not require oxygen.
- 13. _____ are compounds that are made mostly of carbon and hydrogen and some oxygen.

- 15. _____ are very long organic molecules.

Down

- 2. _____ is the process by which cells obtain energy from glucose.
- 4. _____ is the process by which green plants and certain other organisms transform light energy into chemical energy.
- 5. The main pigment for photosynthesis in chloroplasts is _____.
- 6. A group of proteins known as _____ speed up chemical reactions in living things.

- 7. The shape of DNA molecule is described as a _____.

- 9. _____ are large organic molecules made of carbon, hydrogen, oxygen, nitrogen, and, in some cases, sulfur.
- 10. The first stage of cellular respiration occurs in the _____ of the cell.
- 11. The second stage of cellular respiration takes place in the _____.
- 14. _____ is the genetic material that carries information about an organism and is passed from the parent to the offspring.

Word Bank

- | | | | |
|----------------|---------------|--------------|----------------------|
| mitochondria | enzymes | double helix | Carbohydrates |
| Proteins | chloroplasts | element | Cellular respiration |
| Photosynthesis | Nucleic acids | cytoplasm | Lipids |
| Fermentation | Compounds | DNA | |