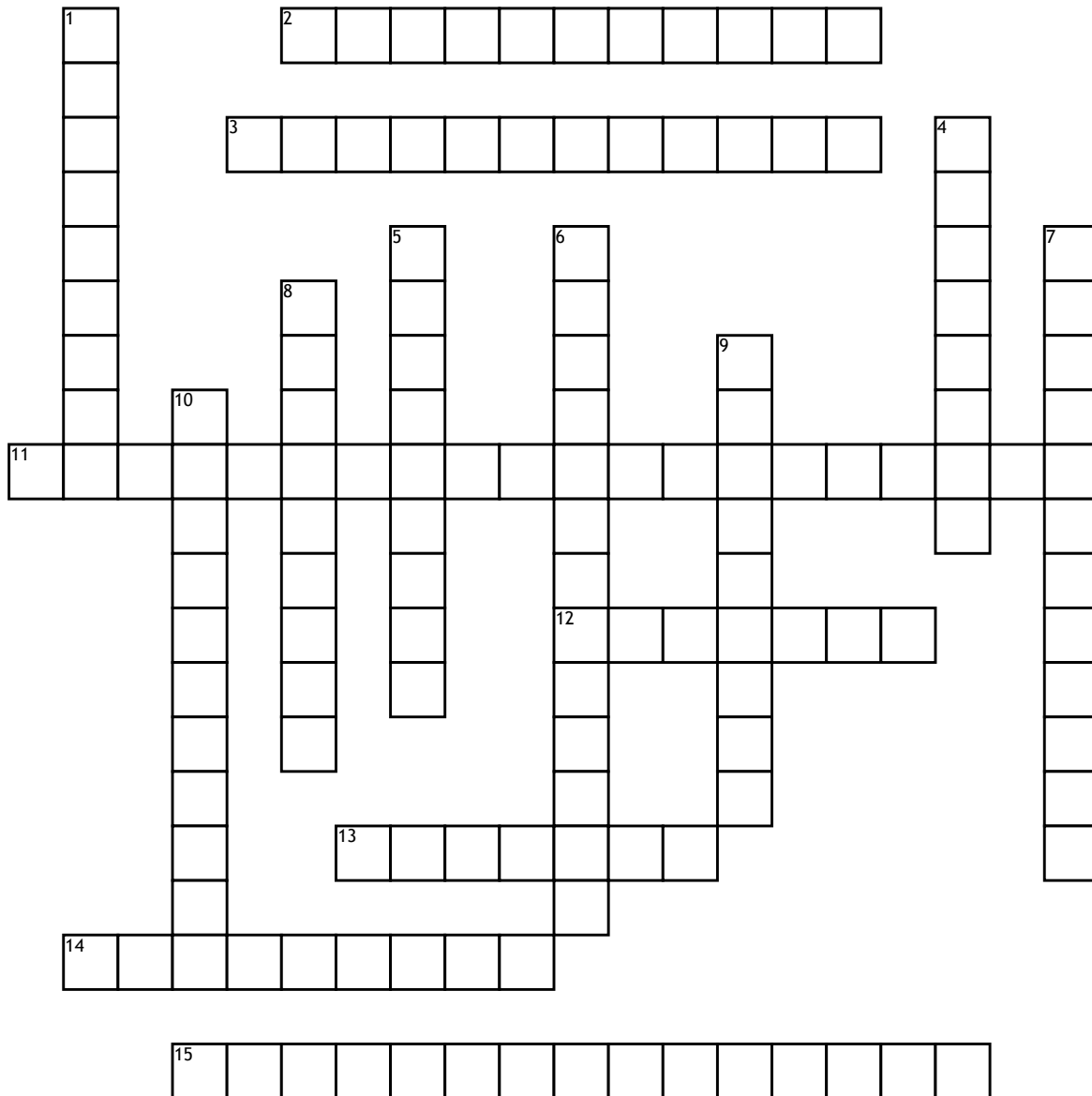


Plant and Animal Cells



Across

2. A small oval green bit of protoplasm that contains chlorophyll and is the location of photosynthesis

3. a microscopic network of protein filaments and tubules in the cytoplasm of many living cells, giving them shape and coherence

11. a network of membranous tubules within the cytoplasm of a cell, continuous with the nuclear membrane. It usually has ribosomes attached and is involved in protein and lipid synthesis

12. In biology, the part of a cell that controls growth and reproduction

13. A membranous enclosure within a cell that contains substances isolated from the protoplasm, such as dissolved acids

14. an organelle in the cytoplasm of eukaryotic cells containing degradative enzymes enclosed in a membrane

15. made up of two lipid bilayer membranes which in eukaryotic cells surrounds the nucleus, which encases the genetic material

Down

1. the material of which the chromosomes of organisms are composed. It consists of protein, RNA, and DNA

4. The rigid outermost layer of a plant cell, which is made of cellulose

5. a minute particle consisting of RNA and associated proteins, found in large numbers in the cytoplasm of living cells. They bind messenger RNA and transfer RNA to synthesize polypeptides and proteins

6. Any of the very tiny rod like or string like structures that occur in nearly all cells of plants and animals, and that process food for energy

7. The semi-permeable membrane that encloses the contents of a cell; plasma membrane

8. A small spherical body in the nucleus of a cell, consisting of protein and RNA

9. Inherited genetic material in a cell not specified by its own nucleus

10. a complex of vesicles and folded membranes within the cytoplasm of most eukaryotic cells, involved in secretion and intracellular transport