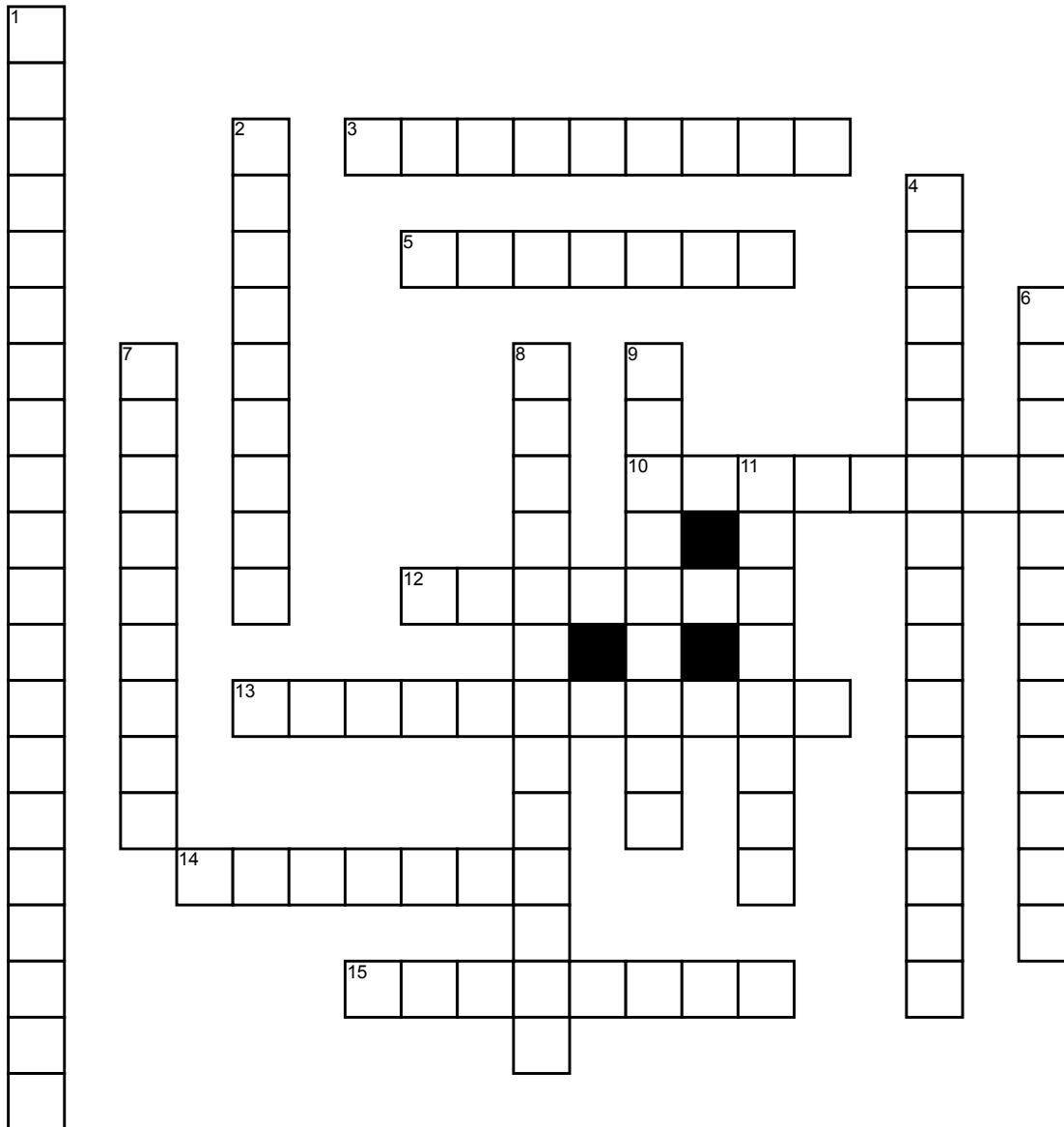


# Animal & Cell Project



## **Across**

- 3.** The gel-like substance enclosed within the cell membrane) and organelles
- 5.** Storage bubbles found in cells. Might store food or any variety of nutrients a cell might need to survive.
- 10.** a rigid layer of polysaccharides lying outside the plasma membrane of the cells of plants, fungi, and bacteria. In the algae and higher plants, it consists mainly of cellulose.
- 12.** a dense organelle present in most eukaryotic cells, typically a single rounded structure bounded by a double membrane, containing the genetic material.
- 13.** are organelles found in plant cells and eukaryotic algae that conduct photosynthesis.

- 14.** a network of tubular membranes within the cytoplasm of the cell, occurring either with a smooth surface (smooth endoplasmic reticulum) or studded with ribosomes (rough endoplasmic reticulum) involved in the transport of materials.
- 15.** an organelle found in both animal cells and plant cells.

## **Down**

- 1.** a network of membranous tubules within the cytoplasm of a eukaryotic cell, continuous with the nuclear membrane. It usually has ribosomes attached and is involved in protein and lipid synthesis.
- 2.** a minute particle consisting of RNA and associated proteins, found in large numbers in the cytoplasm of living cells.
- 4.** the double lipid bilayer membrane which surrounds the genetic material and nucleolus in eukaryotic cells.

- 6.** The semipermeable membrane surrounding the cytoplasm of a cell
- 7.** a complex of vesicles and folded membranes within the cytoplasm of most eukaryotic cells.
- 8.** an organelle found in large numbers in most cells, in which the biochemical processes of respiration and energy production occur. It has a double membrane, the inner layer being folded inward to form layers
- 9.** the nuclear subdomain that assembles ribosomal subunits in eukaryotic cells.
- 11.** an organelle in the cytoplasm of eukaryotic cells containing degradative enzymes enclosed in a membrane.