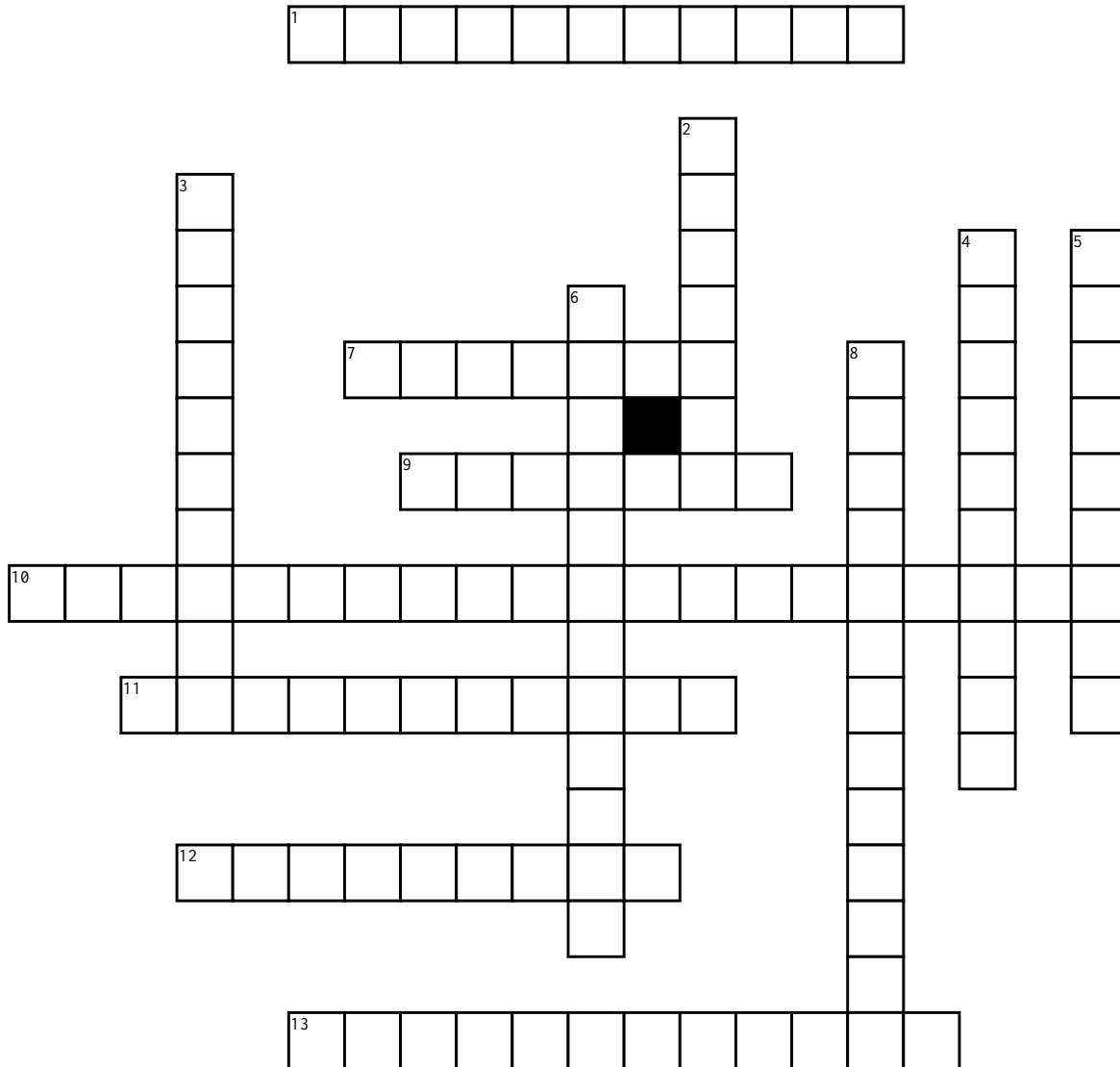


# Euklaryotic Cell Organelles



## Across

1. Algae and green plants contain a unique organelle called a \_\_\_\_\_.

7. A \_\_\_\_\_ is a space or cavity in the cytoplasm of a cell that is enclosed by a membrane called a tonoplast.

9. The nucleus is usually spherical or oval, contains almost all of the cell's hereditary information, and is typically the \_\_\_\_\_ structure in the cell.

10. Within the cytoplasm of eukaryotic cells is the \_\_\_\_\_, an extensive network of flattened membranous sacs or tubules called cisternae.

11. Organelles similar in structure to lysosomes, but smaller, are called \_\_\_\_\_.

12. \_\_\_\_\_ are formed from Golgi complexes and look like membrane-enclosed spheres.

13. Smooth Endoplasmic Reticulum synthesizes fats and steroids, such as estrogens and \_\_\_\_\_.

## Down

2. Eukaryotic cells vary from a prokaryotic cell because it contains a \_\_\_\_\_.

3. The \_\_\_\_\_, located near the nucleus, consists of two components: the pericentriolar area and centrioles.

4. \_\_\_\_\_ are structures with specific shapes and specialized functions and are the characteristic of eukaryotic cells.

5. The surface of the Rough Endoplasmic Reticulum is studded with \_\_\_\_\_.

6. The first step in the transport pathway is through an organelle called the \_\_\_\_\_.

8. A \_\_\_\_\_ has two membranes similar in structure to the plasma membrane.