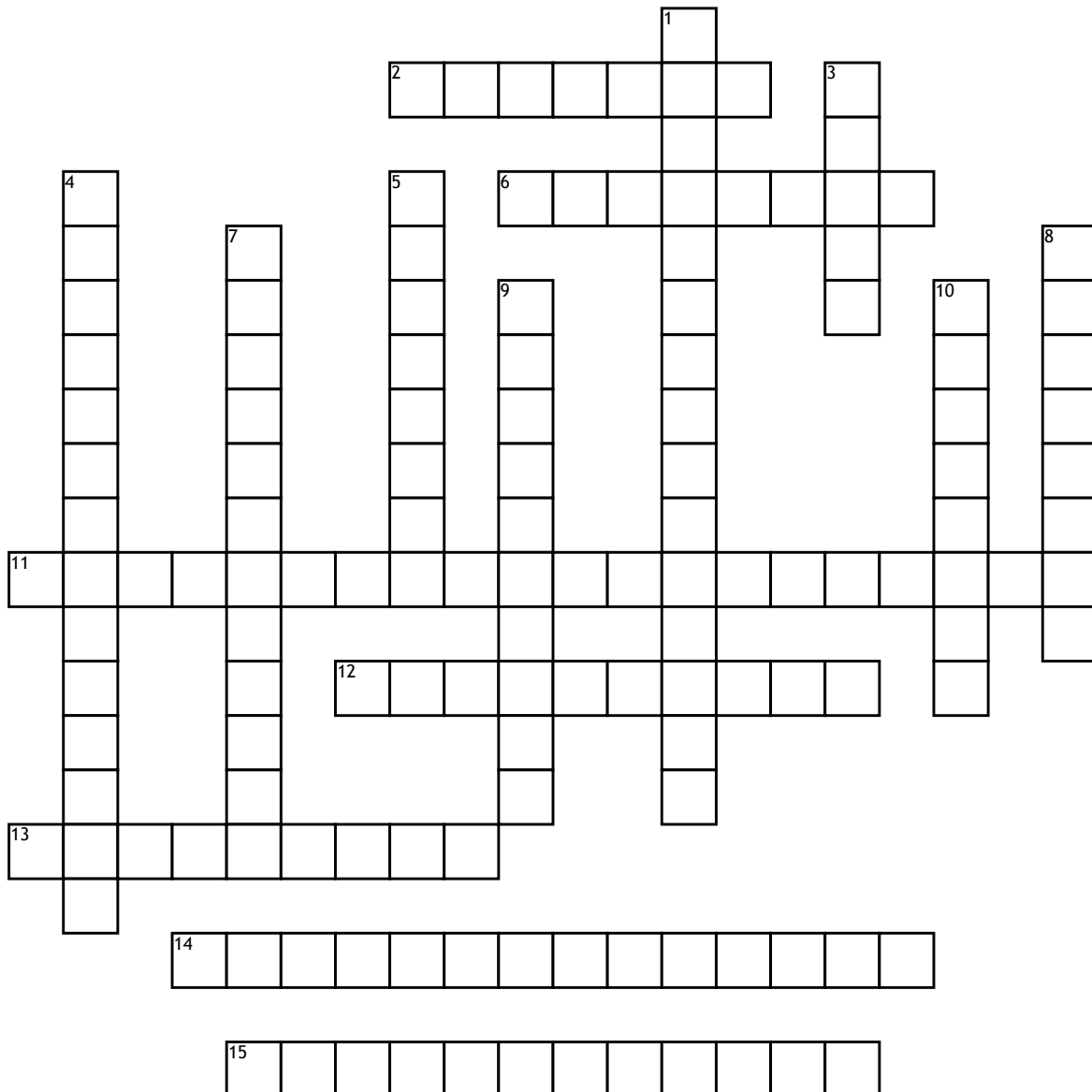


# The Cell Structures



**Across**

- 2. Contains most of the cells DNA, which stores info used to make proteins
- 6. Plant cells have a \_\_\_ - \_\_\_ thick, rigid, mesh of fibers that surround the outside of the plasma membrane
- 11. a membrane system of folded sacks and connected channels that serves as the site for protein synthesis
- 12. \_\_\_ which contain the light capturing pigment chlorophyll
- 13. the organelles that manufacture proteins, produced inside the nucleolus

- 14. a flattened sack of membranes that modifies, sorts and packages proteins
  - 15. converts fuel particles into usable energy (ATP)
- Down**
- 1. Is surrounded by a double membrane
  - 3. \_\_\_ are short, numerous projections that look like hair, more in tandem like abrs in a rowboat
  - 4. chloroplasts which capture sunlight and convert it into chemical energy in a process called \_\_\_
  - 5. a membrane bound sack used for "storage"

- 7. plant cells and some other eukaryotes contain \_\_\_\_\_ which capture light
- 8. Vesicles that contain substances that digest excess or worn-out organelles and food particles
- 9. are organelles made of microtubules, that function during cell division they are located in the cytoplasm
- 10. \_\_\_ are longer and less numerous (than cilia) more with whip like motion