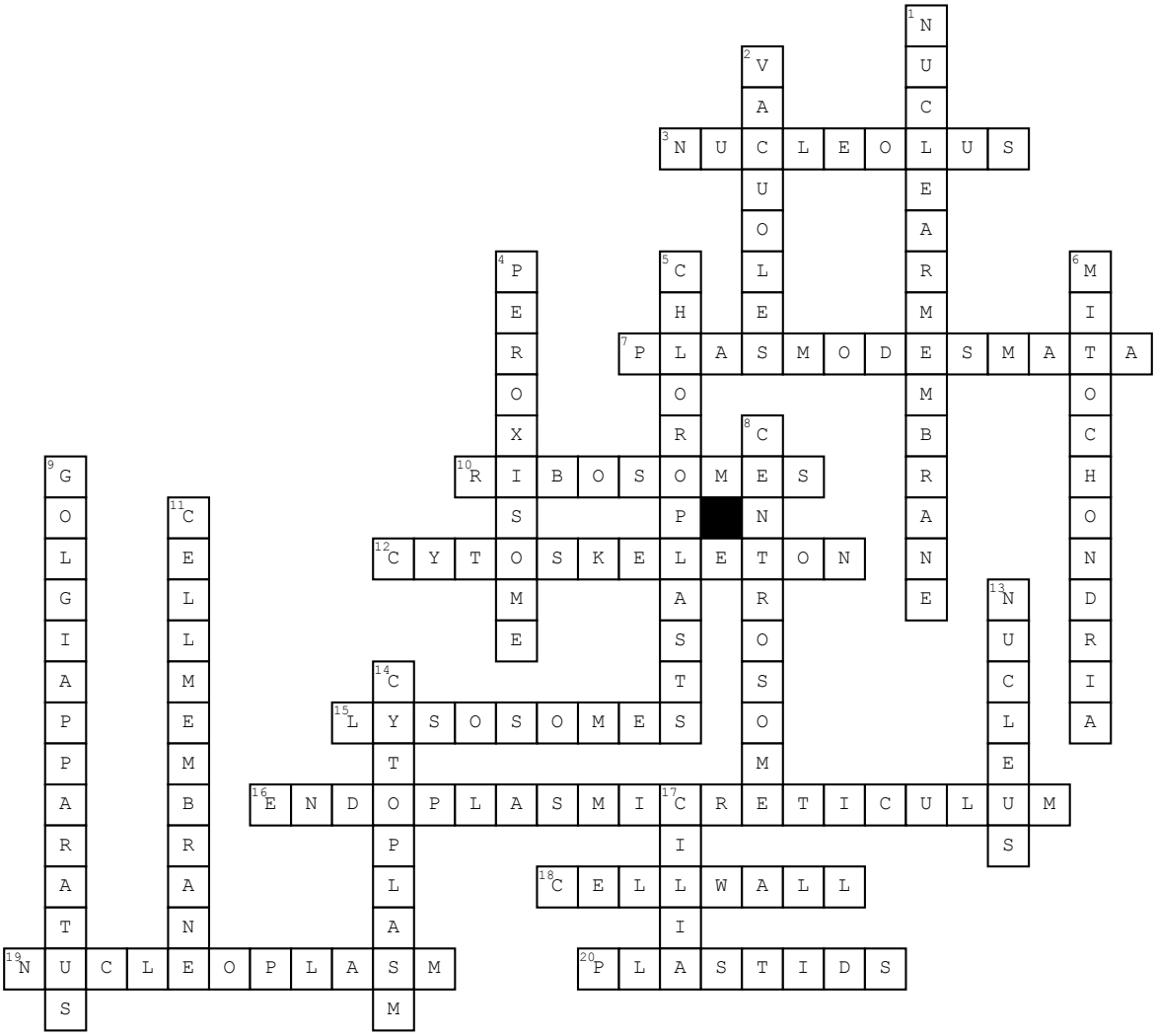
Cell Organelles



Across

3. Darkly stained, is in the nucleus, and it aids in protein formation and RNA synthesis

7. microscopic channels which traverse plant cell walls and enables transport and communication

10. They are found in the endoplasmic reticulum. The aid in the help of manufacturing proteins for the cell

12. a network of fibers made of micro-tubule and micro-filament, give support and maintains shape of cell.

15. Membrane bound organelles containing digestive enzymes. They break down waste products and detoxify the cell.

16. a large network of interconnecting membrane tunnels. can sometimes be covered in ribsosmes to give it a "rough" appearance

18. This is a rigid layer that surrounds the plant cells. It is located on the outside of the cell membrane.

19. The semi-fluid inside the nucleus, contains genetic information and the nucleolus

20. Storage organelles, store starch for synthesis of fatty acids and terpenes

Down

1. A porous double membrane layer surrounding the nucleus.

2. These are organelles for storage. In plant cells they perform fuctions of secretion, excretion and storage

4. Contains odiative enzymes, and helps with lipid destruction

5. an elongated or disc-shaped organelle containing chlorophyll

6. One of the largest organs of the cell, also known as the powerhouse of the cell

8. small body located near the nucleus, centrioles are made here

9. Flattened stacks of membrane bound sacs. They function as a packaging unit

11. This is the most outer lighting of the cell and it encloses all of the other cell organelles

13. This is a membrane bound organelle, and round in shape. most of the cells activities are directed by this

14. What is the fluid substance that fills the cell

17. Hair like structures