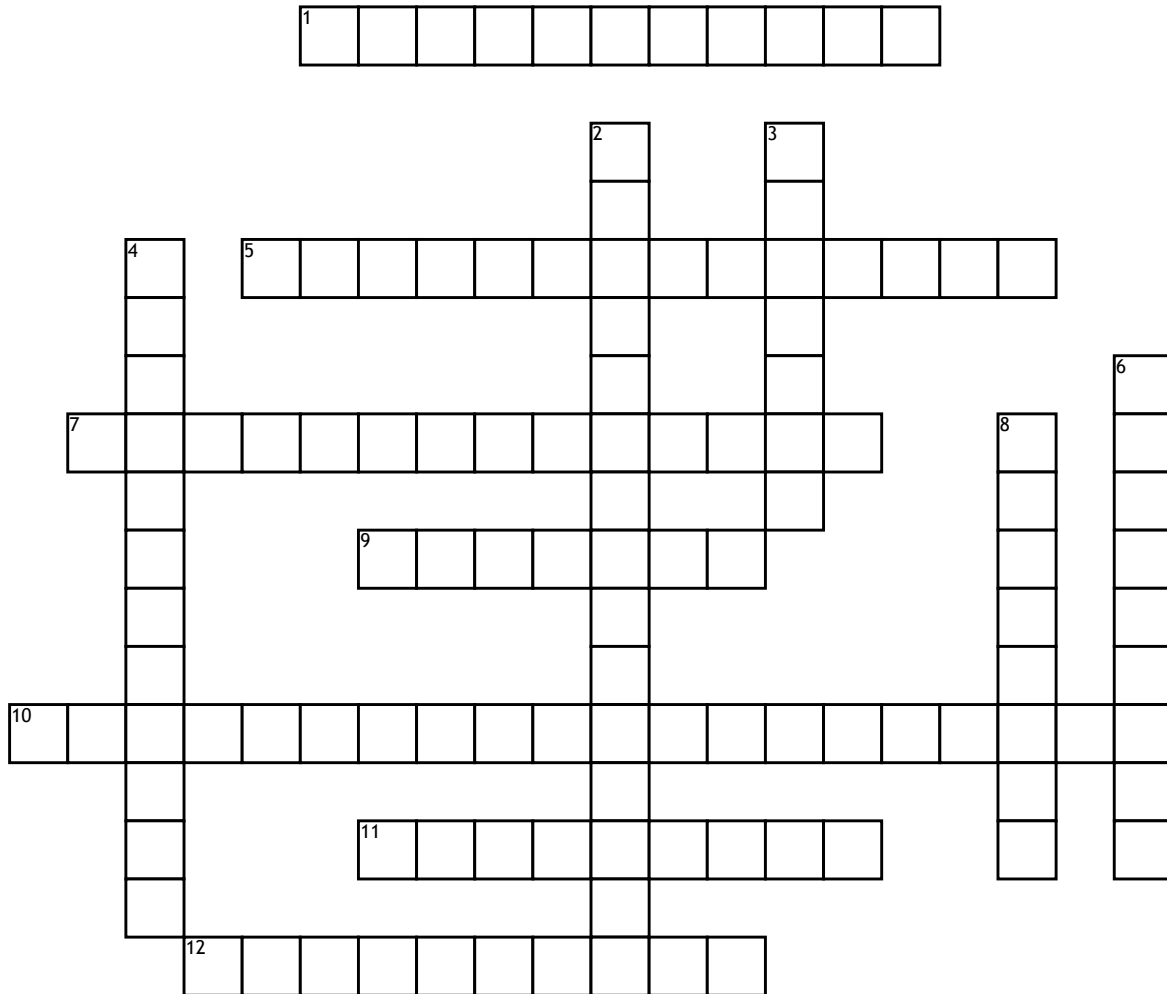


Cells



Across

1. Threadlike structures that contain the genetic information that is passed from one generation of cells to another. Coiled up DNA, contain genetic information
5. Cell with NUCLEUS, membrane-bound organelles, very complex. Examples: Plant cells, animal cells, fungi
7. Modify, sort and package proteins and other material for storage or secretion
9. Stores material such as water, salts, proteins and carbs

10. The site of assembly and production of proteins, lipids, and other materials

11. Dense region of the nucleus where ribosomes are made

12. Organizes cell division located near the nucleus

Down

2. Cell with NO nucleus, very simple, been around for millions of years. Example: Bacteria

3. Brain of the cell, contains all the cell's DNA with coded instructions for making proteins and other molecules

4. Converts chemical energy (food) stored in food to a more usable form of energy (POWERHOUSE)

6. Particles of RNA and protein that produce proteins with instructions from the nucleus

8. Membrane bound sac that transports proteins and other materials from the Golgi Apparatus to other parts of the cell