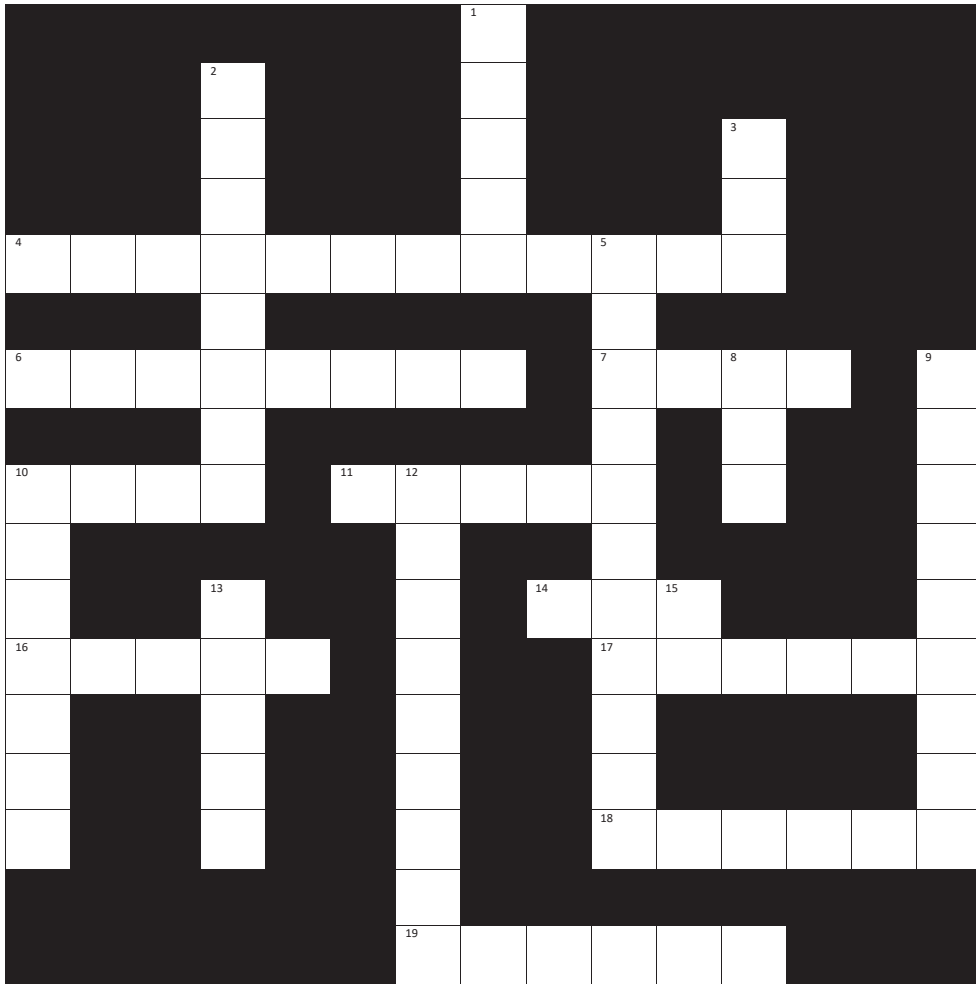


BIOMEDICAL RESEARCH CROSSWORD PUZZLE



Across

4- The function of these cell organelles is to create chemical energy for the cell in the form of ATP.

6- This nitrogenous base can be found paired with Guanine in DNA.

7- Researchers use induced pluripotent _____ cells to make all types of different cells including neurons and cardiomyocytes.

10- The nuclear ___ complex transports molecules across the nuclear envelope.

11- The function of this organelle is to package proteins into vesicles before they are sent to their final destination.

14- This buffer solution is used during gel electrophoresis.

16- This can form when the cell cycle becomes unregulated.

17- Clinical _____ allow researchers to test proposed treatments in human subjects.

18- This cell type contains axons and dendrites.

19- DNA polymerase is an example.

Down

1- The area enclosed by the endoplasmic reticulum membrane.

2- This membrane-bound organelle contains enzymes responsible for breaking down waste in the cell.

3- This governmental body regulates and approves the use of drug treatments in humans.

5- This process turns oxygen and glucose into carbon dioxide, water, and ATP.

8- This test measures the electrical signals from a heart to check for heart conditions.

9- _____ happens when molecules move along a concentration gradient.

10- Keratin is an example.

12- A specialized structure within a cell that performs the functions of the cell.

13- Many researchers use a _____ model to test the efficacy of a treatment before moving on to primates.

15- This organelle is continuous with the nuclear membrane.

Comes in smooth or rough.