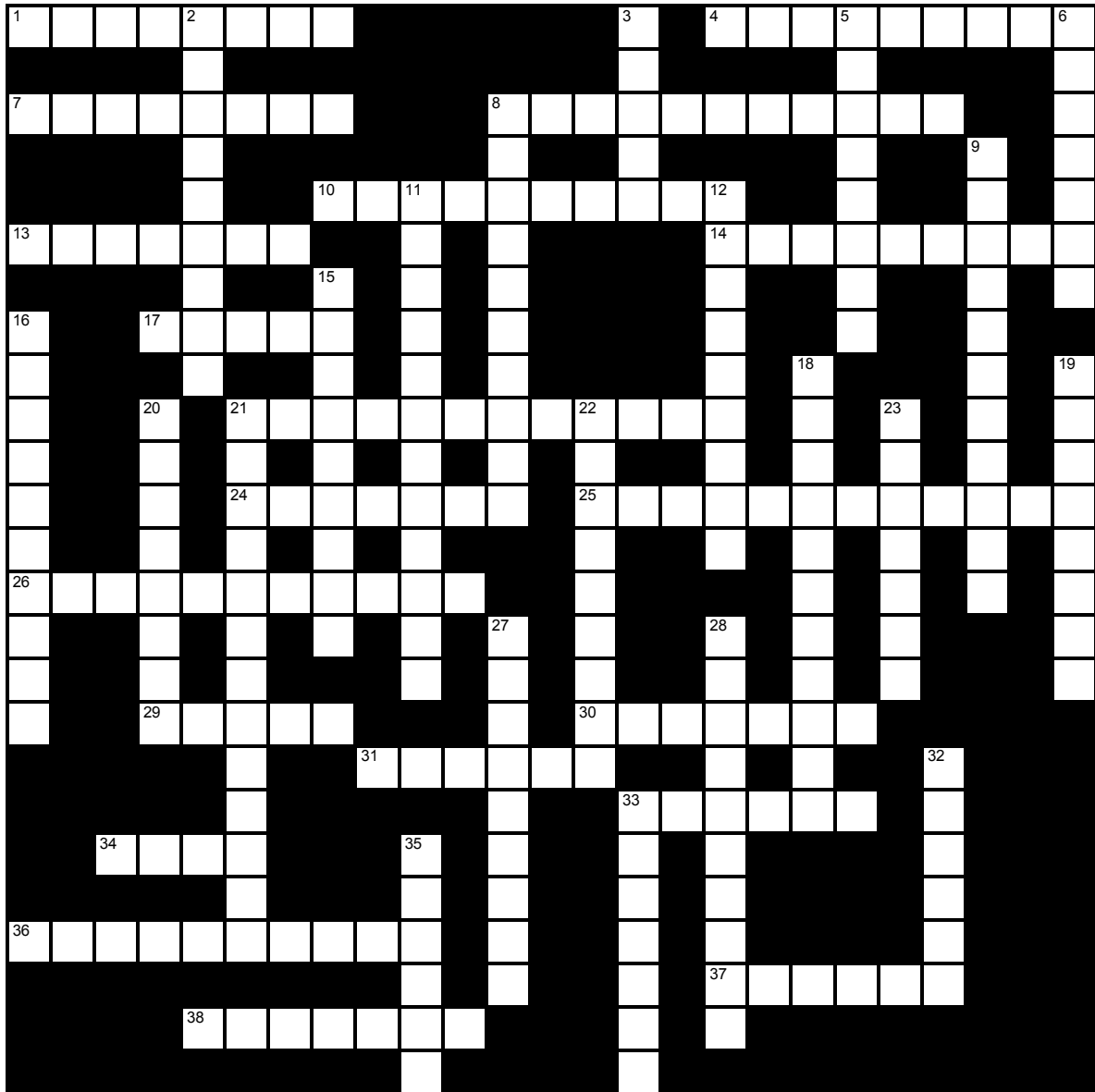


# CELLS

Name: \_\_\_\_\_

Hour: \_\_\_\_\_



## Across

- 1 The protein that acts like a "revolving door" to take large molecules into the cell (8)
- 4 This dark body in the nucleus is the site of ribosome production (9)

## Down

- 2 A "false foot" that enables some cells to move; like amoebas (9)
- 3 This scientist was the first to observe and name the nucleus (5)
- 5 A special vacuole with digestive enzymes that break down food and/or waste (8)

- 7 Large "hairs" (cytoskeleton) that enables cells to move, like a euglena (8)
- 8 Describes the process of engulfing large amounts of water inside the cell (11)
- 10 Type of solution that has more salt outside the cell than inside the cell (10)
- 13 The organelle that stores food, water or waste (7)
- 14 Type of solution which has more salt inside a cell than outside a cell (9)
- 17 Scientist who used the term "cell" (5)
- 21 The cell organelle that carries out the Krebb's Cycle to releasing energy (12)
- 24 Term that describes tiny folds inside the mitochondria (7)
- 25 The membrane protein "V-Doors" would be this type of assisted cellular diffusion (12)
- 26 An organelle found only in plants that converts solar energy into sugars (11)
- 29 Tiny hairs that beat in unison allowing a cell to move (5)
- 30 Process defined as the movement of water through a semipermeable membrane (7)
- 31 The sticky substance found in the secondary cell wall of plants (6)
- 33 The term given to fluid outside of the cell (6)
- 34 What happens when a cell takes in too much water and ruptures (4)
- 36 This passive transport is used to move materials outside the cell (10)
- 37 The pressure that occurs in plant cells in a hypotonic solutions (6)
- 38 A circular DNA, found in bacteria (7)
- 6 The size of a cell is limited by the \_\_\_\_\_ area. (7)
- 8 An organelle responsible for gathering toxic hydrogen peroxide & removing it from the cell (10)
- 9 When two cells can exchange genetic information; like paramecium (11)
- 11 Term used to describe the engulfing of a food particle into a cell (12)
- 12 Term used to describe the uncoiled DNA in the cell's nucleus (9)
- 15 The organelle that aids in cell division (9)
- 16 Anton Von Leeuwenhoek is considered the creator of this essential biological tool (10)
- 18 This term refers to establishing balance; as in water and salt concentrations (11)
- 19 The membrane which surrounds the nucleus to limit access to the DNA (8)
- 20 Solution that has equal amounts of salt on water on each side of a membrane (8)
- 21 A tiny fiber that serves as the skeletal frame for the cell (13)
- 22 The movement of molecules from an area of high concentration to an area of low concentration (9)
- 23 The type of cell membrane protein used by sugars to enter and leave the cell (7)
- 27 Occurs when too much sugar in the plasma causes blood cells to shrink from water loss (9)
- 28 Cells which do not have a defined nucleus, like bacteria (10)
- 32 Membrane protein that acts like a "baggage tag" to allow a cell to identify itself (6)
- 33 Type of cellular transport that does NOT require energy (7)
- 35 The fluid \_\_\_\_\_ model is used to illustrate the cell membrane and how it functions (6)