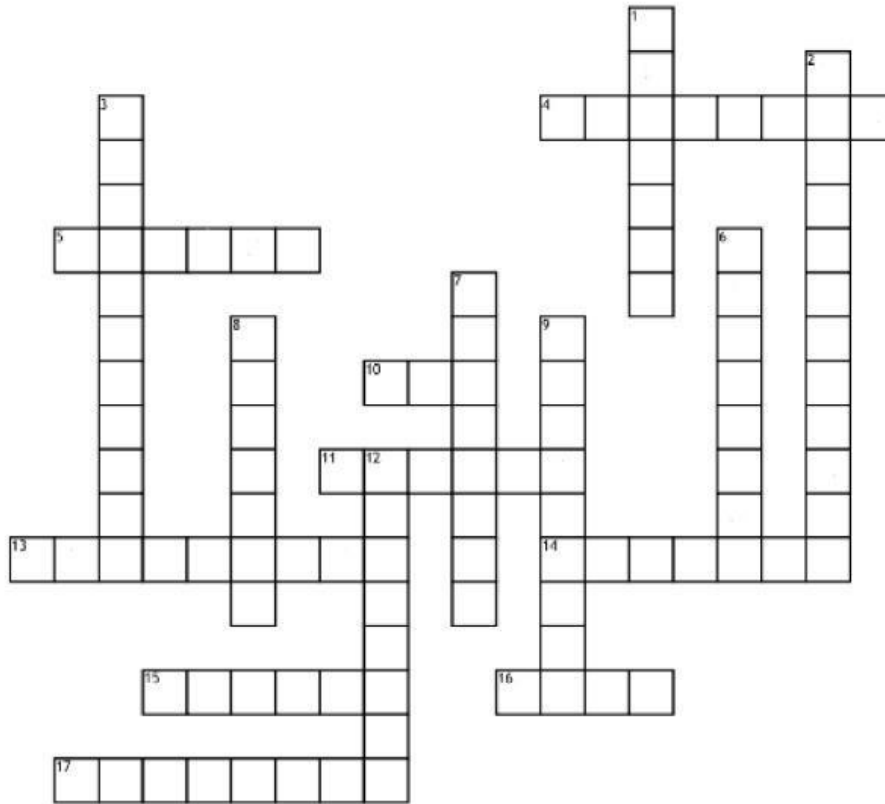


Name: _____ Date: _____

Organelles and Bacteria Word Search



Across

- 4. single-celled organism
- 5. a spherical, aquatic bacteria
- 10. genetic material
- 11. moves using pseudopods
- 13. jelly-like substance in cells
- 14. prokaryote with a red eye spot

- 15. hair-like parts of a cell which allow for movement

- 16. all life is made of one or more of these
- 17. synthesizes proteins in the cell

Down

- 1. a prokaryote (like bacteria) lacks this
- 2. The powerhouse of the cell

- 3. allows for photosynthesis

- 6. disposes of cell waste
- 7. used for movement in cells
- 8. provides storage for a cell
- 9. "tiny organ"
- 12. controls what enters/exits the cell

1. Bacteria Growth Jars

Students calculate the starting number of bacteria.

Example:

A jar has 48 bacteria after 6 hours. It grows by 6 bacteria per hour.

Equation: $6h+b=48$ Students solve for b (starting amount).

Answer: _____

Show your work below

2. Microscope Slide Counts

Students determine how many cells were originally on a slide.

Example:

After adding 10 drops of stain, there are 72 cells visible.

Each drop reveals 4 cells.

Equation: $4d+c=72$

Answer: _____

Show your work below

3. Petri Dish Colonies

Each colony grows by a constant number per day.

Example:

After 5 days, there are 65 colonies.

Each day adds 9 colonies.

Equation: $9d+c=65$

Answer: _____

Show your work below

4. Antibiotic Effect Simulation

Example:

A culture has 90 bacteria. An antibiotic kills 6 bacteria per hour.

How many bacteria were there after 4 hours?

Equation: $b-6h=66$ (Students work backward.)

Answer: _____

Show your work below