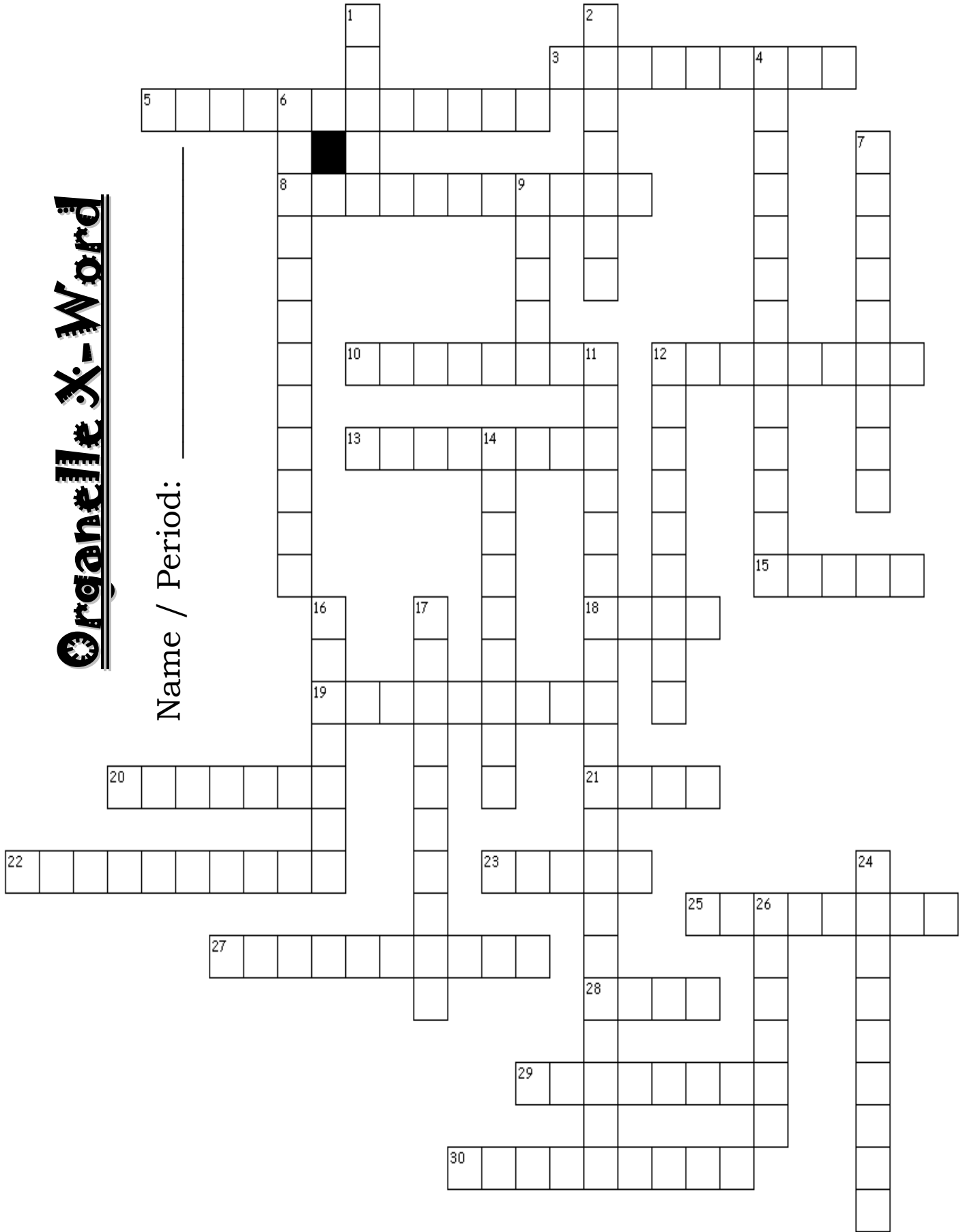


Organelle X-Word

Name / Period: _____



Across

3. These 'factory workers' make proteins.
5. This organelle is the power plant of the cell. It produces energy by breaking down sugar.
8. This person saw the very first living microscopic organisms. [last name]
10. This is the "skin" of the cell. It controls what moves into and out of the cell. It is called the Plasma _____. It is also known as the Cell _____.
12. A(n) _____ microscope uses these 'tiny parts of an atom' to make the best microscope pictures.
13. A _____ light microscope has two or more lenses.
15. The longest cells are _____ cells.
18. This thing basic unit of matter is SO SMALL that we can't see it with any microscope (even though you thought you'd seen pictures of it).
19. Thick, gel-like fluid that fills a cell (like water in a water balloon).
20. A large, water-filled sac near the center of all plant cells.
21. The first cell was seen in what plant material?
22. These structures create microtubes & microfilaments (they look like churros & are not in your book).
23. The 'Cell Theory' consists of how many statements?
25. This is the garbage crew of the cell. This sac contains powerful enzymes that can dissolve & break-down nearly anything.
27. This word refers to how sharp or blurry a picture can be.
28. This is the basic building block of life.
29. This is the rigid, outer part of the Plant Cell.
30. This is the soupy DNA inside the nucleus.

Down

1. This man was the first person to see a cell [last name].
2. The Amoeba is the _____ unicellular organism (*think cellzilla*).
4. This word means to "make something larger."
6. These are only found in plant cells and are responsible for capturing sunlight and turning it into sugar.
7. This section of the Nucleus is where the ribosomes are created.
9. This organism, which reproduces by budding, was the first microscopic organism seen.
11. This maze of passages acts as roads or subways to transport materials around the cell.
12. This type of cell contains a nucleus.
14. This term refers to a structure inside a cell that performs a specific job.
16. The central part of the cell where the DNA is located. All of the cell's activities are controlled here.
17. This type of cell does not contain a nucleus.
24. This part of the cell can be used as a storage area to hold extra materials and then ship them whenever they are needed.
26. A _____ light microscope is usually called a magnifying glass.