



2.1 Cell Structure

NAME:

CLASS:

DATE:

L.O.:

- ☐ Describe and compare the structure of a plant cell with an animal cell
- ☐ Describe the structure of a bacterial cell
- ☐ Identify the cell structures in diagrams and images of plant, animal and bacterial cells
- ☐ Describe the functions of the structures in plant, animal and bacterial cells

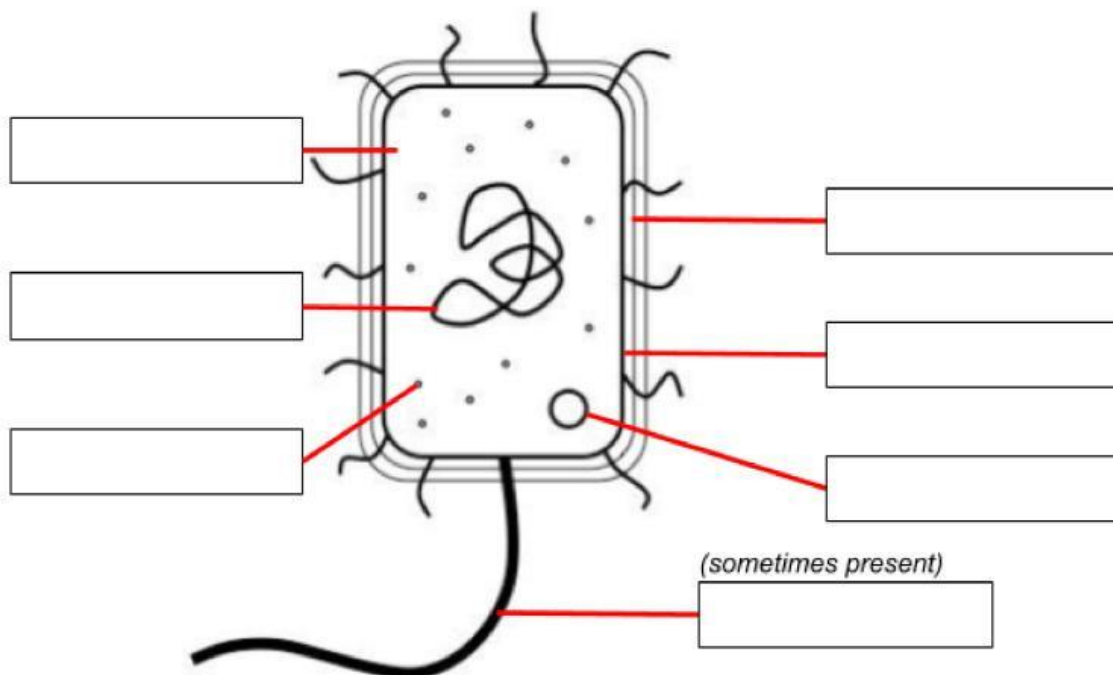
CELLS

Read pages 19-25 in your textbook, then complete this worksheet.

A score of **80% or above** is required for homework to be considered completed.

Structure of a bacterial cell

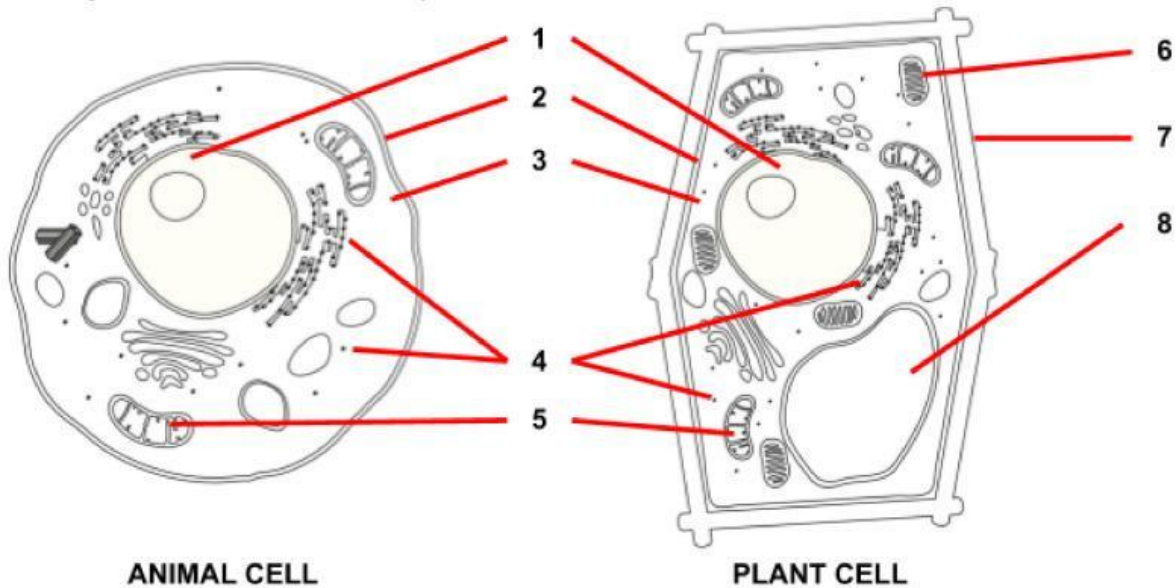
Label the structures in the bacterial cell below.





Structure of animal and plant cells

Use the diagram below to answer the questions.



ANIMAL CELL

PLANT CELL

- 1 Identify structures 1-8 in the diagram and complete the table below comparing the animal cell and plant cell.

NO.	STRUCTURE	NO.	STRUCTURE
1		6	
2		7	
3		8	
4		Found in plant cells only	
5			

- 2 Match structures 1-8 to their correct function.

STRUCTURE

FUNCTION

- | | |
|---|---|
| 1 | Jelly-like substance where most chemical reactions in the cell occur. |
| 2 | Contains chlorophyll which traps light for photosynthesis. |
| 3 | Site of aerobic respiration; releases energy from food. |
| 4 | Contains DNA and controls cell activities. |
| 5 | Partially permeable; controls what enters and leaves the cell. |
| 6 | Made of cellulose; keeps the shape of the cell. |
| 7 | Site of protein synthesis. |
| 8 | Stores cell sap. |

**Comparing animal, plant, and prokaryote cells**

Complete the table comparing the three different cells.

Feature	Animal cell	Plant cell	Prokaryote (bacterial cell)
nucleus			
cell wall			
mitochondria			
chloroplasts			
ribosomes			
plasmid			
DNA			