

Unit 1B Cellular Structure: Learning Target Review for the Review Project (AP Classroom Unit 2)

Learning Target	Rating				
1. I can describe the structure and/or function of subcellular components and organelles and how subcellular components and organelles contribute to the function of the cell.	1	2	3	4	5
Your evidence:					
2. I can describe the structural features of a cell that allow organisms to capture, store, and use energy.	1	2	3	4	5
Your evidence:					
3. I can explain the effect of surface area-to-volume ratios on the exchange of materials between cells or organisms and the environment.	1	2	3	4	5
Your evidence:					
4. I can explain how specialized structures and strategies are used for the efficient exchange of molecules to the environment.	1	2	3	4	5
Your evidence:					

5. I can describe the roles of each of the components of the cell membrane in maintaining the internal environment of the cell.	1	2	3	4	5
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Your evidence:

6. I can describe the Fluid Mosaic Model of cell membranes.	1	2	3	4	5
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Your evidence:

7. I can describe how the structure of biological membranes influences selective permeability.	1	2	3	4	5
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Your evidence:

8. I can describe the role of the cell wall in maintaining cell structure and function.	1	2	3	4	5
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Your evidence:

9. I can describe the mechanisms that organisms use to maintain solute and water balance.	1	2	3	4	5
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Your evidence:

10. I can describe the mechanisms that organisms use to transport large molecules across the plasma membrane.	1	2	3	4	5
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Your evidence:

11. I can explain how the structure of a molecule affects its ability to pass through the plasma membrane.	1	2	3	4	5
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Your evidence:

12. I can explain how concentration gradients affect the movement of molecules across membranes.	1	2	3	4	5
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Your evidence:

13. I can explain how osmoregulatory mechanisms contribute to the health and survival of organisms.	1	2	3	4	5
Your evidence:					
14. I can describe the processes that allow ions and other molecules to move across membranes.	1	2	3	4	5
Your evidence:					
15. I can describe the membrane-bound structures of the eukaryotic cell and explain how those organelles and internal membranes contribute to compartmentalization of eukaryotic cell functions.	1	2	3	4	5
Your evidence:					
16. I can describe the similarities and/or differences in compartmentalization between prokaryotic and eukaryotic cells.	1	2	3	4	5
Your evidence:					

17. I can describe the relationship between the functions of endosymbiotic organelles and their free-living ancestral counterparts.	1	2	3	4	5
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Your evidence: