

Cornell Notes

Cells- Structure and Function

Cells Cornell Questions: You are to tape/glue this sheet into your notebook and then use the unit outline notes and or the Cells PowerPoint Notes in the Unit 2 folder on Google Classroom to write the answers in your notebooks. Answers should be in complete sentences. Please include the question number.

1. Why is the cell the basic unit of life and not something smaller, like the nucleus?
2. Discuss the *Endosymbiotic Theory* and how it explains the origin of the *eukaryotic cell*. *Provide two pieces of evidence that support this theory.*
3. Explain the three components of the *Cell Theory*.
4. Create a T-chart diagram to differentiate between prokaryotic and eukaryotic cells. Be sure to include the 3-part definitions, and at least two examples per cell type.
5. *Fill out the organelles chart that was provided to you and tape/glue within your notebook.
6. What are the five structures that ALL cells have?
7. What is cell specialization? How is this different from cell differentiation?
8. Draw an image and briefly discuss the function of the following specialized cells: sex cells (gametes), red blood cells, white blood cells, neurons, and muscle cells.
9. What is a virus? Draw an example of a virus and label its basic parts. Provide two examples of viruses.
10. Are viruses considered to be living things? Why or why not- use CHARGER to support your response.
11. Do antibiotics work on viruses? Why or why not?

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