

**CHAPTER 5.1—5.2: Cell Structure and Function**

1. What are the characteristics of life?

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2. What are the three principles of the Cell Theory?

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

3. What is a limiting factor to cell size?

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4. The tool that lead to the understanding that cells are the basic unit of life was the...

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5. The smallest structures visible with the light microscope are the ....

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6. What is an advantage AND a disadvantage of using an electron microscope?

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7. How do prokaryotic and eukaryotic cells differ?

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