

# Cells Study Guide #3 (Ch 3, sec 1)

Name \_\_\_\_\_

Period \_\_\_\_\_

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1. What is an element? What is the smallest unit of an element called?

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2. What is a compound? What is the smallest unit of a compound called?

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3. Why is water such an important compound in cells?

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4. What is the difference between inorganic and organic compounds? What are examples of inorganic compounds? What are examples of organic compounds (look on the next page)?

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5. What is a carbohydrate? What are examples of carbohydrates?

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6. What is a lipid? What are examples of lipids?

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7. What are proteins? What smaller molecules make up proteins?

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8. What is an enzyme? Why are enzymes so important?

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9. What are nucleic acids? What are the two kinds of nucleic acids?

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10. What is DNA and what is its function? Where is DNA found in a cell?

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11. What is RNA and what is its function? Where is RNA found in a cell?