**Ch. 21 Guided Reading**

Viruses

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| *Pg. 504 Viruses:* What is a childhood disease?  What causes these childhood diseases?  How big are viruses?  Why are they not alive? What are 3 things viruses can’t do?  What is the one thing a virus can do?  What is a host cell?  Why are viruses not given Latin names?  How are viruses named?  What is a bacteriophage? |  |
| *Pg. 504: Viral structure*  What does the structure of a virus consist of?  What does the nucleic acid core of a virus contain?  What are genes?  Look at Figure 21.1. What determines the shape of a virus?  What is a capsid? |  |
| *Pg. 506: Recognition of a host cell*  Why is viral shape important?  Why does a virus lock onto a cell like a jigsaw puzzle? |  |
| *Pg. 506: Attachment is a specific process*  Why is attachment a specific process?  What can a polio virus attach to?  What was the reason for eradication of polio? |  |
| *Pg. 507: Viral Reproductive Cycles*  What are 2 ways a virus can enter a cell to reproduce?  Describe the5 steps in the Lytic cycle. |  |
| *Pg. 508: The Lysogenic cycle*  What is the Lysogenic cycle?  What is a provirus?  Describe the steps in the Lysogenic cycle: |  |