

# Learning Activity Sheet

1. Read Slide #15. What is another name for a polymer?

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2. Read Slide #16. How many amino acids are there altogether?

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3. Read Slide #17. What was the conclusion from mutating bread mold?

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4. Read Slide #18. What enzyme is responsible for adding complementary nucleotides to the DNA half?

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5. Read Slide #19. What is it called when RNA returns back to DNA? What are these viruses called?

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6. Read Slide #20. Why can't RNA store information without the help of DNA?

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7. Read Slide #27 and then click on the icon named "Problem" at the bottom of the screen. Answer the questions as you proceed through each Slide. The answers will follow.

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8. Read Slides #29-31. Click on the "Animation" icon at the bottom of Slide #31. Follow the animation slides. When heated, what happens to the hydrogen bonds holding the complementary base pairs together? How can the bonds be restored?

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9. View Slide #32. What is DNA called when it "jumps" from one position on a chromosome to another?

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10. View Slide #34. What is the purpose of splicing a human gene into E. Coli?

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