| Name | |
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| | CP Biology |

Viruses, Bacteria & Immunity Review Sheet

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| | Explain the structure of viruses. |
| 2. | What is the outer coating called? |
| 3. | Are viruses alive? Explain. |
| 4. | Explain what happens in the lytic cycle. |
| 5. | Explain what happens in the lysogenic cycle. |
| 6. | What is a provirus? |
| 7. | What is the difference between DNA and RNA viruses? |
| 8. | Explain what happens with a retrovirus. |
| 9. | List five examples of diseases caused by viruses. |
| 10. | . What does it mean if a cell lyses? |

<u>Bacteria</u>

| 1. | Are bacteria prokaryotic or eukaryotic? What does this tell you about their cellular structure? |
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| 2. | Explain the structure of bacteria. |
| 3. | What is an endospore? |
| 4. | How do bacteria reproduce? |
| 5. | Name the three nutritional types seen in bacteria and explain what each means in terms of obtaining energy. |
| 6. | What are parasitic bacteria? |
| 7. | What are saprophytic bacteria? |
| 8. | Name the three types of ancient bacteria that we discussed. |
| 9. | Through what process do ancient bacteria obtain energy? |
| 10 | . Explain why bacteria are important. |
| 11 | . Name five diseases caused by bacteria. |

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| Disea | se |
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| | What is a pathogen? |
| 2. | What does it mean if a disease is infectious? |
| 3. | What is the "Germ Theory of Disease"? Who formulated it? What process is named for him and what does the process do? |
| 4. | Name the five methods through which bacterial diseases can be transmitted |
| 5. | What is the difference between endotoxins and exotoxins? |
| <u>Immı</u> 1. | unity What is the first line of defense against pathogens? |
| 2. | Explain what happens during the inflammatory response. |
| 3. | What is meant by an "immune response"? |
| 4. | What is an antigen? |
| 5. | What are lymphocytes? What are the two types of lymphocytes? |

| 6. | What are antibodies? How is their shape beneficial to us? |
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| 7. | What are autoimmune diseases? Give two examples. |
| 8. | What is active immunity? |
| 9. | What are vaccines? |
| 10. | What is passive immunity? |
| 11. | What is antibiotic resistance? |
| 12. | How can viral diseases be treated? |
| 13. | What is AIDS? |
| 14. | What is the virus that causes AIDS? How is it transmitted? |
| 15. | What treatments are available for someone with AIDS? |
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