**Honors Biology Ch. 21: Bacteria and Viruses (p.333) Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per:\_\_\_**

1. *Impacts/issues*: Where is AIDS occurring at high rates in the world, what causes it any why is it so dangerous to humans?

Drawing:

1. What are the characteristics of a virus?
2. Draw a virus in the box to the right and label any important features (p.334)
3. Explain the 3 theories of viral origin.
4. Why are herpes and HIV especially infections viruses?
5. Describe the Lytic and Lysogenic pathways. Include drawings on the back of this page.
6. Define viroid and prion and give an example of a disease caused by each.
7. What are smallest and most common living organisms in the world? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. What are the 2 classifications of bacteria? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Draw and describe the 3 shapes of bacteria.
10. What structures do bacteria use to move? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. How can bacteria reproduce?
12. Describe two interesting species of Eubacteria from pages 342-343.
13. How do Archaeans differ from Eubacteria?
14. What diseases are becoming rapidly drug-resistant and why?