

Name \_\_\_\_\_ Date \_\_\_\_\_ Class \_\_\_\_\_

## Ch. 10 Microbial Genetics

**Directions:** Use your text or online ebook and chapter 10, sections 10.17-23 to answer the following questions in **your own words**.

1. Describe one way a virus can perpetuate its genes without destroying its host cell.
2. Explain how some viruses replicate without having DNA.
3. What are three ways that plants cells may be exposed to viruses?
4. Why doesn't a bout of flu give us immunity to flu in subsequent years?
5. Why is HIV classified as a retrovirus?
6. Describe the three modes of gene transfer between bacteria.
7. What is a plasmid?

Use the blank section below and the back to write your answers for the above questions