# Unit 8 section 2 reading guide

# Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_\_\_\_\_\_

1. What is biotechnology?

2. Name three examples of biotechnology

a.

b.

c.

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the process of selectin and breeding organisms that have certain desired traits.

4. Why might farmers use the biotechnology process in question 3 to develop different types of vegetables?

5. What is genetic engineering? For what purpose can it be used?

6. A \_\_\_\_\_\_\_\_\_\_\_ is an organism, cell, or piece of genetic material that is genetically identical to the one from which it was derived.

7. Traditionally plastics are made from oil (petroleum), a nonrenewable resource. What benefit could plastic made by plants have over traditional plastic?

8. How does biotechnology impact our world? Give two examples for both effects on society and the environment.

9. What is a GMO? What are their benefits? What are their disadvantages?