Lesson 16- Biotechnology

1. Biotechnology is the manipulation of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to make useful products.

2. Crossbreeding is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

3. Selective breeding is the intentional mating of organisms to produce \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ traits. This is repeated over many generations until all offspring consistently show the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Many breeds of \_\_\_\_\_\_\_\_\_\_\_\_ have developed in this way.

4. Genetic modification changes the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of an organism.

5. How has genetic modification been used to develop corn?

6. Why is DNA fingerprinting is used to solve crimes?

7. Cloning produces an organism that is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of another. Why would scientists want to clone organisms?

8. Bioremediation:

9. What are the risks associated with biotechnology?

EOG Practice: 1.\_\_\_\_\_\_\_\_2.\_\_\_\_\_\_\_\_\_3.\_\_\_\_\_\_\_\_\_4.\_\_\_\_\_\_\_\_

Chapter 4 Review

1.\_\_\_\_\_\_\_\_ 2.\_\_\_\_\_\_\_\_ 3.\_\_\_\_\_\_\_\_ 4.\_\_\_\_\_\_\_\_ 5.\_\_\_\_\_\_\_\_ 6.\_\_\_\_\_\_\_\_ 7.\_\_\_\_\_\_\_ 8.\_\_\_\_\_\_\_ 9.\_\_\_\_\_\_\_\_ 10.\_\_\_\_\_\_\_\_