Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Score: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Biology Test – Module #2

Matching: Match each term with the correct definition.

|  |  |
| --- | --- |
| 1. \_\_\_\_ Pathogen | 1. A small, circular section of extra DNA that confers one or more traits to a bacterium and can be reproduced separately from the main bacterial genetic code. |
| 1. \_\_\_\_ Parasite | 1. The process in which infection by a virus results in DNA being transferred from one bacterium to another |
| 1. \_\_\_\_Aerobic organism | 1. An organism that feeds on a living host |
| 1. \_\_\_\_ Anaerobic organism | 1. An organism that feeds on dead matter |
| 1. \_\_\_\_ Conjugation | 1. An organism that does not require oxygen |
| 1. \_\_\_\_ Plasmid | 1. Organisms from the same species that have markedly different traits |
| 1. \_\_\_\_ Transformation | 1. A temporary union of two organisms for the purpose of DNA transfer |
| 1. \_\_\_\_ Transduction | 1. An organism that requires oxygen |
| 1. \_\_\_\_ Strains | 1. The transfer of a DNA segment from a nonfunctional donor cell to that of a functional recipient cell |
| 1. \_\_\_\_ Saprophyte | 1. An organism that causes disease |

True or False: Determine whether each statement is true or false.

1. \_\_\_\_ Anton von Leeuwenhoek is known as the “father of microbiology.”
2. \_\_\_\_ We know all there is to know about Kingdom Monera
3. \_\_\_\_ Some bacteria need oxygen to make food while others do not need oxygen.
4. \_\_\_\_ Many bacteria reproduce asexually.
5. \_\_\_\_ In 24 hours, one bacterium can reproduce enough bacterium to cover the earth.
6. \_\_\_\_ Most bacterium are not able to withstand extremely high or low temperatures.
7. \_\_\_\_ Bacterium needs the right amount of moisture to be able to survive.
8. \_\_\_\_ We sometimes can food so that bacteria does not contaminate it.
9. \_\_\_\_ Bacteria is used in making cheese.
10. \_\_\_\_ Bacteria is large enough to observe with the naked eye.

List: List three conditions that must be present for bacteria to survive.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is one advantage of asexual reproduction? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Label at least three parts of the bacteria.

