**Cell Structure & Function Test Review**

1. Fill in the following Venn Diagram with information about prokaryotes and eukaryotes:

 Prokaryote Eukaryote



2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are the basic unit of structure & function in living things

3. TRUE or FALSE: The genetic information found in all the nuclei of an organism’s cells are the same.

4. List the three characteristics that ALL cells (both eukaryotic and prokaryotic) have in common:

*
*
*

5. Identify and Draw the three types of Bacteria shapes

6. List the functions of bacteria. (4)

7. Which symbiotic relationship most accurately describes a virus with a host? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. What is the biggest difference between lytic and lysogenic cycle? Which one will display symptoms first?

9. What type of genetic material is in the capsid of a retrovirus? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. List an example of a fuel source for both plant and animal cells. Which biomolecule does it belong to?

|  |  |  |
| --- | --- | --- |
|  **ORGANELLE NAME** | **ORGANELLE FUNCTION** | **Plant, Animal, or Both** |
| **Nucleus** |  |  |
| **Cell membrane** |  |  |
| **Cell wall** |  |  |
| **Vacuole** |  |  |
| **Ribosome** |  |  |
| **Mitochondria** |  |  |
| **Chloroplast** |  |  |
| **Lysosome** |  |  |
| **Smooth Endoplasmic reticulum** |  |  |
| **Rough Endoplasmic reticulum** |  |  |
| **Golgi apparatus** |  |  |
| **Cytoplasm** |  |  |
| **Centriole** |  |  |