BACTERIA AND VIRUS WORKSHEET

Directions: Answer the questions below. Use your notes and what you have learned about bacteria and viruses to help you answer the questions.

1. Give at least 3 examples that you can think of where common bacteria, Kingdom Eubacteria, can be found.

2. Prokaryotes, which is another term for bacteria since they do not have a __________________ to contain their DNA, were once in the Kingdom __________________, but now are divided into the kingdoms __________________ and __________________.

3. List and describe the 3 different ways that bacteria can get their energy, or food.

4. Organisms in the Kingdom ________________________________ live in extreme environments.

5. In the chart below, draw the 3 shapes of bacteria and write the specific name for each.

<table>
<thead>
<tr>
<th>Bacteria Shape</th>
<th>How It Looks</th>
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6. Bacteria have asexual reproduction by a process called __________________ _________________.

7. The reproduction cycle of a virus is called the _________________ cycle.
Bacteria Structure:

Directions: Write the name of each part of the bacterial cell on the matching letter of the diagram above.

Cell Membrane
Cell Wall

DNA
Flagellum

Nucleoid
Ribosomes

A. __________________________
B. __________________________
C. __________________________
D. __________________________
E. __________________________
F. __________________________

Virus - Shapes

Match the shape of each virus to the correct term.

1. Bacteriophage  ____________
2. Crystal  ____________
3. Cylinder  ____________
4. Sphere  ____________