

BIOL 1002 Worksheet 7 - Answers

1. What cell structures would you find in all prokaryotes?  
Cell (a large circular chromosome), Cytoplasm, ribosomes, plasma membrane, and cell walls.

2. Fill in the appropriate bacterium name below:

rod shaped bacteria are called bacillus

round shaped bacteria are called Coccus (plural)

Spiral shaped bacteria are called Spirillum

3. What do the terms cing and flagella refer to in terms of bacteria  
movement?

Cing means cilia

Flagell means flagella.

4. What is bioremediation?

Using the living bacteria, archaea, fungi to mediate human waste sites and toxic wastes, oil spills etc.

5. What is the importance of Nitrosocystis (there was a mistake in the worksheet - it said Nitrosocystis instead of Nitrosocystis)?

Nitrosocystis: They are specialized bacteria cells that can perform nitrogen fixation. They can take atmospheric nitrogen and convert it to available form for plants to use as nitrate.

6. Fill in the dates below:

Planes invented \_\_\_\_\_ 1.1 billion years ago

Colonial Period (a to 1 month) \_\_\_\_\_ 1.1 billion years ago

Cyanobacteria pumped oxygen into the atmosphere \_\_\_\_\_ 1.5 billion years ago.

Colonial Eukaryotic Eukotes \_\_\_\_\_ 1.1 billion years ago.