

## Kingdom Monera Review Sheet

### 1. Define:

- Taxonomy
- Prokaryote
- Heterotroph
- Autotroph
- Binary fission
- Conjugation
- Endospores
- Obligate aerobe / aerobic respiration
- Obligate anaerobe
- Facultative anaerobe
- Fermentation
- Parasite
- Saprophyte
- Decomposer
- Symbiosis
- Photosynthesis
- Chemosynthesis
- Pathogen
- Nitrogen fixation
- Antibiotics
- Asexual reproduction
- Sexual reproduction
- Filament

2. What are the general characteristics of Kingdom Monera?

3. Know the classification system for Kingdom Monera.

4. What are the 3 basic shapes of bacteria?

5. What are the different ways bacteria can move?

6. Explain:

- a. Reproduction in bacteria: binary fission, & conjugation,
- b. What are endospores?

7. Explain the ecological roles of bacteria.

8. What is an antibiotic? How does it work against bacteria?

9. Explain how bacteria become resistant to antibiotics.

10. Know the answers to the questions from the article.

Kingdom Protista Review Sheet: on next page

## Kingdom Protista Review Sheet

### 1. Define:

- Eukaryote
- Phytoplankton
- Zooplankton
- Contractile vacuole
- Food vacuole
- Eyespot
- Trichocysts
- Pseudopod
- Ectoplasm
- Endoplasm
- Phagocytosis
- Cytoplasmic streaming
- Red tide
- Blooms

2. Know the general characteristics of Kingdom Protista.
3. Know the characteristics of the 7 different phyla of Kingdom Protista.
4. Know the diagram of a Euglena and the function of each part.
5. Know the diagram of a Paramecium and the function of each part.
6. Know the diagram & function of the different parts of an Amoeba.
7. Explain the ecological roles of protists.
8. Explain how knowing a pathogenic protist's life cycle (L.C.) can be used to control the spread of a disease. Use the L. C. of Plasmodium as an example.
9. Know the characteristics of Slime Molds and the 2 stages of their L.C.
10. Explain the difference between a prokaryotic and a eukaryotic cell.