**Assignment questions**

**Kingdom Monera**

**Chapter 2**

1. Classify bacteria on the basis of shape.
2. Which group of organisms show the most extensive metabolic diversity? Give examples in support of your answer.
3. What are: Thermoacidiophiles, Methanogens and Halophiles? Where are these organisms present? Which among the above mentioned groups is responsible for the production of biogas?
4. Write down the characteristics of Cyanobacteria.
5. Draw structure of *Nostoc* and label heterocysts. Write the function of the labelled part.
6. How do chemosynthetic autotrophic bacteria obtain their nutrition? Write their economic importance.
7. What is the role of heterotrophic bacteria in our life? Give examples.
8. What is mycoplasma? How are they different from Eubacteria? Name diseases caused by mycoplasma in each human, animal and plant.