**Biology 0861 Worksheet on Diseases Caused by Bacteria and Viruses Chapter 19-3: p.485-490**

1. What are the two general ways bacteria produce disease?

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. How can bacterial diseases can be prevented (before infection)?

 a) With an antibiotic b) With a vaccine

3. How can bacterial diseases can be cured from patient if already infected?

 a) With an antibiotic b) With a vaccine

4. Give three methods used to control bacterial growth.

 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. True or false?

 a) Antibiotics can cure a patient with a viral illness if antibiotic is given once the patient is infected with the virus. \_\_\_\_\_\_\_

 b) Most vaccines can cure a patient with a viral illness if vaccinated once the patient is infected with the virus. \_\_\_\_\_\_\_

6. Complete the sentences and answer the associated questions:

 a) \_\_\_\_\_\_\_\_\_\_\_ is a viruslike particles that cause disease in plants.

 b) \_\_\_\_\_\_\_\_\_\_\_ is a viruslike particles that cause disease in animals.

 c) Which one of these only contain protein (no DNA or RNA) and induce normal protein molecules in host to become like them? \_\_\_\_\_\_\_\_\_\_\_

 d) Which one of these are single-stranded RNA molecules and have no surrounding capsids? \_\_\_\_\_\_\_\_\_\_\_

7. Indicate if the disease is bacterial or viral.

 a) AIDS \_\_\_\_\_\_\_\_\_\_\_ b) Tuberculosis \_\_\_\_\_\_\_\_\_\_\_

 c) Strep throat \_\_\_\_\_\_\_\_\_\_\_ d) Common cold \_\_\_\_\_\_\_\_\_\_\_

 e) Salmonella \_\_\_\_\_\_\_\_\_\_\_ e) Some cancers \_\_\_\_\_\_\_\_\_\_\_