

Quiz (lecture 1)

Complete the blank with the appropriate scientific term

- 1- (.....) too small to be seen with the naked eye.
- 2- (.....) the study of living things too small to be seen without magnification.
- 3- (.....) is the study of parasitic protozoa and worms.
- 4- (.....) is the study of viruses
- 5- (.....) is the study of bacteria.
- 6- (.....) is the study of fungi.
- 7- (.....) is the study of algae.

Put \checkmark or X

- Microbes are used in sewage treatment to recycle water.
- Viruses are prokaryotic cell.
- Photosynthetic bacteria produce carbon.
- Bacteria is unicellular prokaryotes with cell wall not containing peptidoglycan
- Archaea is unicellular prokaryotes with peptidoglycan in cell wall
- Carl Woese grouped all organisms into 3 domains.
- opportunistic pathogens don not cause disease under normal condition.

- Marine and fresh water microorganisms are not considered to be the basis of the food chain.

Choose the correct answer

1- Binomial (scientific) nomenclature, Genus - noun, always first letter should be:

- a) Capitalize
- b) Lower case

2- Which of the following is (are) correctly typed or written?

- a. *Staphylococcus aureus*
- b. *Staphylococcus Aureus*
- c. *Staphylococcus aureus*
- d. *Staphylococcus aureus*

3- It is using microbes to clean up pollutants and toxic wastes. This definition of:

- a) Biology control.
- b) Bioremediation
- c) Decomposer
- d) Gene therapy.

4- It is using bacteria to control the growth of insects:

- a) Biology control.**
- b) Bioremediation.**
- c) Decomposer.**
- d) Gene therapy.**

5- Inserting gene into appropriate chromosomes to produce proteins:

- a) Biology control.**
- b) Bioremediation.**
- c) Decomposer.**
- d) Gene therapy.**

Give two of each microbial benefits and harmful effects?

Why study microbiology? Give me three reasons?

Answers

Complete the blank with the appropriate scientific term

- 1- (.....**Micro**.....) too small to be seen with the naked eye.
- 2- (...**Microbiology**....) the study of living things too small to be seen without magnification.
- 3- (.....**Parasitology**.....) is the study of parasitic protozoa and worms.
- 4- (...**Virology**....) is the study of viruses
- 5- (...**Bacteriology**....) is the study of bacteria.
- 6- (.....**Mycology**....) is the study of fungi.
- 7- (...**Phycology**....) is the study of algae.

Put \checkmark or X

- Microbes are used in sewage treatment to recycle water. \checkmark
- Viruses are prokaryotic cell. X
- Photosynthetic bacteria produce carbon. X
- Bacteria is unicellular prokaryotes with cell wall not containing peptidoglycan X
- Archaea is unicellular prokaryotes **with** peptidoglycan in cell wall X
- Carl Woese grouped all organisms into 3 domains. \checkmark

- opportunistic pathogens don not cause disease under normal condition. √
- Marine and fresh water microorganisms are not considered to be the basis of the food chain. X

Choose the correct answer

1- Binomial (scientific) nomenclature, Genus - noun, always:

- a) Capitalize
- c) Lower case

b) Which of the following is (are) correctly typed or written?

- a. *Staphylococcus aureus*
- b. *Staphylococcus Aureus*
- c. *Staphylococcus aureus*
- d. *Staphylococcus aureus*

c) It is using microbes to clean up pollutants and toxic wastes. This definition of:

- a) Biology control.
- b) **Bioremediation.**
- c) Decomposer.
- d) Gene therapy.

d) It is using bacteria to control the growth of insects:

a) **Biology control..**

b) **Bioremediation.**

c) **Decomposer.**

d) **Gene therapy.**

6- Inserting gene into appropriate chromosomes to produce proteins:

a) **Biology control.**

b) **Bioremediation.**

c) **Decomposer.**

d) **Gene therapy.**

Give **two** of each microbial benefits and harmful effects?

Harmful effect

➤ **Microbes caused infections**

➤ **Microbes caused food spoilage**

Benefits

➤ **Used microbes in recycling elements.**

➤ **Microorganisms are used in the synthesis of industrial chemical products as vitamins.**

Why study microbiology? Give me three reasons?

- **Microbiology is essential for life; photosynthetic bacteria produce oxygen.**
- **Decomposition of dead organisms, waste products of living organisms by microbes**
- **Microbes produce enzymes and chemicals,**