

Biology - 10th Class Biology English Medium Chapter 18 Preparation

Q1. What is emphysema?

Ans 1: Emphysema is the destruction of the walls of the alveoli. It results in larger sacs but with less surface area for gaseous exchange. As lung tissue breaks down, the lung does not come back to its original shape after exhalation.

Q2. Define breathing.

Ans 1: The process through which animals take air in their bodies to get oxygen and then give out the air for getting rid of carbon dioxide.

Q3. Write drug classification according to sources

Ans 1: Classification is as following

- 1: synthetic drugs i.e. aspirin
- 2: Drugs from plants and fungi i.e. digitalis
- 3: Drugs from animals i.e. fish liver oils
- 4: Drugs from minerals i.e. iodine tincture
- 5: Drugs from bacteria i.e. streptomycin

Q4. What is contribution of Joseph Lister ?

Ans 1: Joseph Lister was an English surgeon. He promoted the idea of sterile surgery for the first time. He introduced carbolic acid to sterilise surgical instruments to clean wounds.

Q5. What are antibiotics.

Ans 1: Antibiotics inhibit or kill the bacteria and treat bacterial infections e.g. Tetracycline, cephalosporin.

Q6. What are cephalosporin ?

Ans 1: Cephalosporin interferes with the synthesis of bacterial cell walls and so are bactericidal. Cephalosporins are used in the treatment of infections of the respiratory tract, urinary tract, intestine etc. Tetracycline is not used in children under the age of eight.

Q7. What are hallucinogens ?

Ans 1: Hallucinogens are the drugs that cause changes in perception, thought, emotions and consciousness e.g. Mescaline comes from cactus, psilocin from mushrooms.

Q8. What are antibiotics ?

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Q9. What is the difference between pharmacy and pharmacology ?

Ans 1: Pharmacology : It is the branch of biology that deals with the study of drugs composition, properties and medical application. Sources of drugs are also studied in pharmacology

Ans 2: Pharmacy : It is the profession which involves the use of drugs

Q10. What is the contribution of Edward Jenner?

Ans 1: In 1796 a British physician Edward Jenner infected a young boy with cowpox by injecting pus from a cow. After the boy had recovered from cowpox, Jenner injected him with smallpox by the same method. The boy did not get smallpox.
