

DISEASE AND IMMUNE SYSTEM QUESTIONS

1. (a) Define disease.
(b) What is the difference between an infectious disease and a non-infectious disease?
2. What are Koch's 4 Postulates?
3. State 1 example of each of the following diseases: (a) infectious (b) diet or deficiency (c) occupational (d) genetic.
4. State the causative organism (virus, bacterium, fungus, protozoan, worm, insect or arachnid) of each of these diseases: (a) influenza (b) tetanus (c) rubella (German Measles) (d) botulism (food poisoning) (e) tinea (Athlete's Foot) (f) malaria.
5. Describe the 3 shapes of bacteria, and state their names.
6. Define: (a) parasite (b) endoparasite (c) ectoparasite (d) primary and secondary (intermediate) hosts (e) vector (f) carrier.
7. Do antibiotics such as penicillin and chloromycin have any effect on viruses? Explain.
8. Captain Cook is famous because he discovered Australia. He is also famous because his crew was the first not to suffer from scurvy. How does one suffer from scurvy?
9. How does a person prevent having a heart attack?
10. Describe the signs that a person is suffering from haemophilia.
11. What is the difference between a benign and a malignant tumour?
12. The body has many non-specific defences against invading micro-organisms, e.g. skin, nose hairs and tears. Explain how each one prevents micro-organisms from entering our bodies.
13. What is the difference between humoral immunity and cell-mediated immunity?
14. Edward Jenner invented the first vaccine for smallpox. In what way can his method of vaccination be called active immunity?
15. What are 3 methods of passive immunity?
16. Define: (a) allergy (b) autoimmune disease.