



BIOLOGY

BOOKS - ARIHANT PRAKASHAN

HEALTH AND DISEASES

Topic 1 Practice Questions Exam S Textbook S
Other Imp Questions 1 Mark Questions Exams
Question

1. Plasmodium vivax causes cerebral malaria.





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2. Fill in the blanks with the correct answer(s): The infective stage of malarial parasite is ____.



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3. Through which vector is wuchereria bancrofti transmitted ?

A. Anopheles

B. Aedes

C. Culex

D. Tse-Tse fly

Answer: C



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4. Name the test specifically employed to determine the presence of disease causing *Salmonella typhi*.



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5. Which test is required to diagnose Typhoid?



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6. Which of the following is specifically employed to determine the presence of Salmonella typhi ?

(ELISA , Widal , MRI , EEG)



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7. Arthritis is a

A. deficiency disease

B. degenerative disease

C. cancerous disease

D. allergic disease

Answer: B



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8. Which of the following diseases are communicable?

A. Deficiencies

B. Allergies

C. Degenerative diseases

D. Infectious diseases

Answer: D



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9. Microfilariae are found in the peripheral blood of man during

A. day time

B. day and night time

C. night time

D. None of these

Answer: C



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10. Entamoeba histolytica infection, occurs through

A. mosquito bite

B. bird droppings

C. sweat

D. contaminated food and water

Answer: D



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11. The infective stage of *Entamoeba histolytica* is :

A. binucleate form

B. tetranucleate form

C. minute form

D. sporozoite stage

Answer: B



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12. Common cold is a disease.



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13. Ringworms belong to the fungal genus.



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14. Name the bacterium which causes pneumonia .



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15. Name the causative organism of malignant malaria .



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Other Imp Questions 2 1 2 Marks Questions

1. What are the causes of non-communicable diseases?



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2. Explain incubation period of malaria parasite.



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3. What is the causative organism of filariasis and write a note on its prevention and control.



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4. Amoeba and Entamoeba.



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5. What are the two basic groups of diseases?

Give one example of each group.



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6. Name two bacterial diseases of humans along with their causative organisms .



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7. Define health and disease.



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8. Answer the following

Explain the cause of periodic recurrence of chill and high fever during malaria attack in human.



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9. What are the causes of non-communicable diseases?



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Topic 1 Practice Questions Exam S Textbook S
Other Imp Questions 3 1 2 Marks Questions
Exams Question

1. Differentiate between amoebiasis and filariasis .



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2. Differentiate between Communicable diseases and Non-communicable diseases.



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3. Differentiate between Filaria and Malaria



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1. What are pathogens and give examples of diseases and give a note on this.



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2. Give the symptoms, infection, prevention and control of typhoid.



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3. Describe the symptoms, diagnosis, treatment and control of malaria.



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4. Write a short note on amoebiasis.



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Topic 1 Topic Test 1

1. A disease causing agent is called



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2. Name any two helminthic diseases in humans.



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3. Write the names of five drugs to control malaria.



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4. Name any two vaccines used for treating typhoid .



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5. What is congenital diseases?



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6. Mention the mode of transmission of the amoebiasis disease causing pathogen.



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7. Causes, symptoms and treatment of Ring worm



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8. State the mode of transmission and also give the symptoms of the disease , ascariasis .



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9. What is a communicable disease ? Name at least three of such diseases .



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Questions

1. Fill in the blank

The full form of ELISA is _____.



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2. Fill in the blanks with correct answer(s):

Cancer of muscle is named as _____.



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3. What is called protein pathogen that does not contain nucleic acid ?



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4. HIV is treated using a combination of medicines called antibacterial therapy.



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5. Colostrum is rich in which type of antibody?



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6. Which test is conducted to identify HIV ?



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7. Name the cell in the human body destroyed by HIV.



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8. The tissue affected in sarcoma.



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9. The tissue affected in sarcoma.



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10. Cancer is

A. non-malignant tumour

B. controlled division of cells

C. unrestrained division of cells

D. microbial infection

Answer: C



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11. Blood cancer is called

A. leukaemia

B. haemophilia

C. thrombosis

D. haemolysis

Answer: A



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12. The spread of cancerous cells to distant sites is termed as

A. metamorphosis

B. metagenesis

C. metastasis

D. metachrosis

Answer: C



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13. During allergic reactions which of the following is secreted?

A. Allergens

B. Histamines

C. Immunoglobulins

D. Pyrogens

Answer: B



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14. Which of the glands is often referred in relation with AIDS?

A. Thyroid

B. Adrenal

C. Thymus

D. Pancreas

Answer: C



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15. AIDS is due to

A. reduction in number of helper T-cells

B. lack of interferon

C. reduction in number of killer T-cells

D. auutoimmunity

Answer: A



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16. AIDS spreads through

A. immoral way of life

B. infected needles and syringes

C. homosexuality

D. All of the above

Answer: D



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17. Which one of the following is an anticancer drug?

A. Aspirin

B. Flagyl

C. Streptomycin

D. Vincristine

Answer: D



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18. Which of the following scientists got Noble prize in 1989 for the studies on the genetic basis of cancer?

- A. Philip Sharp and Richard Roberts
- B. David Baltimore and Howard Temin
- C. Michael Bishop and Harold Varmus
- D. Stanley B Prusiner

Answer: C



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19. Which one of the following is not a component of innate immunity?

A. Antibodies

B. Interferons

C. Complement proteins

D. Phagocytes

Answer: A



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20. Which of the following is involved in the defence system of the body ?

- A. Lymphocytes
- B. Neutrophils
- C. Macrophages
- D. All of the above

Answer: D



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21. The immunity, present right from birth is known as immunity.



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22. Anti Tetanus Serum (ATS) administration generates immunity in the body.



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23. Name the property of normal cells by which uncontrolled growth of cell is inhibited .



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Topic 2 Practice Questions Exams Textbook S
Other Imp Questions 2 1 2 Marks Questions Exam
S Questions

1. What is HIV ?





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2. What is antibody ?



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3. What is innate immunity?



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4. What is recombinant vaccine?





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5. How AIDS can be prevented ?



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6. How is the AIDS provirus formed ?



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7. What is an antigenic determinant (epitope)?





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8. Explain humoral immunity.



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9. Explain about the antigen binding sites of an antibody.



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10. Mention about functions of an antibody.



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11. Why is mothers milk considered the most appropriate food for a newborn infant?



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12. Explain the term metastasis. Why is it fatal?



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13. Why are tumour cells dangerous?



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14. Normal cell does not show cancerous growth. Comment.



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15. Write down different types of cancer.



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16. Explain oncogenes.



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17. What is cancer? Give its causes.



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1. Differentiate between : B-lymphocytes and T-lymphocytes



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2. Differentiate between active and passive immunity.



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3. Carcinoma and Sarcoma.



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4. Difference between: Benign Tumour and Malignant Tumour.



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5. Differentiate between: Innate immunity and Acquired immunity.



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6. Distinguish between humoral immunity and cell-mediated immunity.



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Questions**

1. What is immunity ? Give an account of cell-mediated immunity.



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2. What are acquired and innate immunity?

Discuss the mechanical and chemical barriers of innate immunity.



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3. Mention the factors causing cancer. Add a note on diagnosis and prevention of cancer.



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Topic 2 Topic Test 2

1. are small molecules which on combining with carrier proteins elicits an immune response.



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2. An antigen is coated with antibodies that enhances their phagocytosis, by making latter more susceptible. These antibodies are known as

A. agglutinins

B. idiotypes

C. opsonins

D. None of these

Answer: C



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3. AIDS virus has RNA.



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4. Skin is the first line of defence. Comment.



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5. What are allergens ? Give a few examples of allergic substances.



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6. Write note on inflammatory barrier.



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7. What is cancer? Give its causes.



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8. Antigens and Antibodies.



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9. Carcinoma and Sarcoma.



[Watch Video Solution](#)

10. Draw a well-labelled diagram of HIV.



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11. Explain humoral immunity.



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12. Name the causative organism of AIDS?

Describe the stages of AIDS infection. Who are at high risk of acquiring this infection.



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Topic 3 Practice Questions Exams Textbook 5 Other Imp Questions 1 Mark Questions Exams Questions

1. Fill up the blanks with correct answer(s):

L.S.D. is a natural ___ drug.



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2. What do you mean by LSD?



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3. The drug which is used for reducing pain is

A. opium

B. hashish

C. bhang

D. marijuana

Answer: A



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4. Caffeine is a stimulant present in

A. coffee

B. tea

C. cold drinks

D. All of these

Answer: D



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5. Cirrhosis of liver is caused by the chronic intake of

A. alcohol

B. tobacco (chewing)

C. cocaine

D. opium

Answer: A



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6. Antibiotics are:



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7. What term is used for physical and mental dependancy on the chemical compound ?



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8. State the effects of heroin.



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**Topic 3 Practice Questions Exams Textbook S
Other Imp Questions 2 1 2 Marks Questions**

1. Which is the most common skin problem that affects the youth in adolescence? What are its causes ?



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2. What is the cause of alcoholism?



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3. What are the effects of alcoholism in the body??



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4. Explain why using tobacco in any form is injurious to health.



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5. Define drug addiction.



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**Topic 3 Practice Questions Exams Textbook S
Other Imp Questions 3 1 2 Marks Questions
Exams Questions**

1. Differentiate between: Stimulants and
Hallucinogens.



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2. What kind of diseases affect the body in smoking?



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3. What kind of physical changes are characteristic of adolescence?



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4. What kind of psychological changes characterise adolescence?



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**Topic 3 Practice Questions Exams Textbook 5
Other Imp Questions 7 Marks Questions**

1. List the harmful effects caused by the alcohol/drug abuse.



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Topic 3 Topic Test 3

1. Charas is obtained from



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2. A tranquilliser is drug which



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3. Morphine does not cause addiction.





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4. What are analgesics?



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5. Write note on effect of smoking.



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6. What are the behavioural changes during adolescence ?



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7. State the reasons behind drug and alcohol abuse among teenagers and sports persons



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8. Write down any four methods of prevention of drug addiction?



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9. Write briefly about the main classes of drugs in use.



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10. Briefly explain the different psychological disorders.



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Chapter Test 1 Mark Questions

1. Pathogen causing ascariasis is



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2. Phenomenon of rejection of self cells is called



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3. How does a healthy person get infected with malaria fever?



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4. Give any two effects of drug abuse on females.



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5. Name the causal organism of ringworm.



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6. Expand ELISA. Mention its application.



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Chapter Test 2 1 2 Marks Questions

1. Alcohol affects the nervous system.

Comment.



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2. Common symptoms of typhoid are



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3. How does tobacco smoking lead to oxygen deficiency in human body?



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4. Write the measures to control the spread of common cold in humans.



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5. Normal cell does not show cancerous growth. Comment.



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6. Pneumonia leads to problems in breathing and respiration. Give reason to this.



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7. Discuss different types of antibodies and their functions.



Watch Video Solution

8. What are the behavioural changes during adolescence ?



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Chapter Test 3 1 2 Marks Questions

1. What is Vaccination and Immunisation ?



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2. Infection and Infestation.



[Watch Video Solution](#)

3. Briefly explain any two common diseases in humans along with their symptoms and treatments.





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4. Difference between: Benign Tumour and Malignant Tumour.



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Chapter Test 7 Marks Questions

1. Explain the complete mechanism by which the HIV/AIDS virus causes the deficiency of the immune system of the infected person.



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2. What is innate immunity?



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