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Sub. Biology

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Give the difference between acute disease and chronic disease.

Answer:

Acute disease	Chronic disease
1. It may last for few days. 2. It does not have major effect on body.	1. It lasts for longer period. 2. It affects the body drastically.

Question 2. State two main causes of disease.

Answer: Two main causes of disease are immediate cause and contributory cause. Immediate cause: This is due to the organisms that enter our body and cause disease.

Example, virus, protozoa, bacteria.

Contributory cause: These are the secondary factors which lead these organisms to enter our body. Example, dirty water, unclean surrounding, contaminated food etc.

Question 3. Define vaccine and name two vaccines.

Answer: Vaccine is a chemical /drug given in advance to a body to give immunity against certain diseases.

Vaccines given to children are:

(a) BCG—for tuberculosis prevention

(b) Polio drops—for polio prevention

Question 4. What is antibiotic penicillin? Give its function.

Answer: Penicillin antibiotic blocks the bacterial processes that build the cell wall. Due

to this drug, the bacteria is unable to make a protective cell wall and dies easily. It is used to cure the diseases and infections caused by bacteria.

Question 5. Bacteria is a cell, antibiotics can kill these bacteria (cell), Human body is also made of cells how does it affect our body?

Answer: Antibiotics block the biochemical pathway of bacteria by which it makes a protective cell wall around it. Antibiotic does not allow the bacteria to make this cell wall because of which they die.

Human body cell don't make any cell wall so antibiotics cannot have any such effect on our body.