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1) A pathogen is defined as an organism causing disease to its host, with the severity of the disease symptoms referred to as virulence. Pathogens are taxonomically widely diverse and comprise viruses and bacteria as well as unicellular and multicellular eukaryotes.

2) Diseases by Bacteria: strep throat, gonorrhoea.

Diseases by Fungi: Candida auris, Aspergilliosis.

3) Airborne diseases are: The common cold, chickenpox.

4) Acute disease come on rapidly, and accompanied by distinct symptoms that require urgent or short-term care, and get better once they are treated.

5.) Acute diseases
These are the diseases that affects an individual for short span of time. Ex - typhoid, cold, cough etc. This develop within in time and occur suddenly.

Chronic diseases

These are the diseases that persists for a long period of time. They develop over a time and does not appear suddenly. Ex - Heart disease, kidney disease etc.