a-Typical bactteria

 1-Have acell wall

 2-may be normal flora or may be pathogenic in humans.

 3- do not have asexual growth cycle,however, some can produce asexuaproduction.

D-Viruses

1-Are not cells and are not visible with the light microscope

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| Microbial pathogenecityRefost defense mechanisims ers to microbe ability to cause disease, which depend on genetically determined virulence . amicrobe pathogenicity is rVirulence factors are chromosomalelated toas 1-Entery2-colonization 3-escabe from host defense mechanisims4-multiplication5-damage to host tissue. C Virulence factors are chromosomal and eztrachromosomal gene products that affect aspects related to an organisim1-Invasion properties2-Adherence and colonization3-tissue damage induced by toxins, immune system reactions and intracellular growth. 4- Eludinghost defence mechanisims 5-antibiotics resistance. Bacterial structuresA-Shapealong witttCopy and pasth other properties, shape is used to identify bacteria. It is determined by the mechanisims of cell wall assembly. 1-bacterial shape usually can be determined with appopiate staining and alight microscopeTypesa-Roundb-Rode likec-Spiral 3-Cocci and bacilli often grow in doubles or chains . Cocci that grow in culusters are called staphylococci4-Some bacterial species are pleomorphic, such as bacteroides. 5- antibiotics that affect cell wall biosynthesis e.g pencillin may alter bacteria shape. B a. toxins, immune system reactions and intracellular growth. e .  |

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