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 pathogenecity  Refost defense mechanisims ers to microbe ability to cause disease, which depend on genetically determined virulence . amicrobe pathogenicity is rVirulence factors are chromosomalelated toas  1-Entery  2-colonization  3-escabe from host defense mechanisims  4-multiplication  5-damage to host tissue.  C Virulence factors are chromosomal and eztrachromosomal gene products that affect aspects related to an organisim  1-Invasion properties  2-Adherence and colonization  3-tissue damage induced by toxins, immune system reactions and intracellular growth.  4- Eludinghost defence mechanisims  5-antibiotics resistance.  Bacterial structures  A-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 microscope  Types  a-Round  b-Rode like  c-Spiral  3-Cocci and bacilli often grow in doubles or chains . Cocci that grow in culusters are called staphylococci  4-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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