Unit 4 – The Natural Environment and Species Survival

BACTERIA CELLS

What is a bacterium?

-It is a prokaryotic cell

What components are present in bacteria?

- -Capsule
- -Cell wall
- -Cell surface membrane
- -Ribosomes
- -Mesosome
- -Pilus
- -Plasmids
- -Main circular DNA
- -Flagellum

- -Capsule the mucus layer for protection and prevent dehydration.
 -Cell wall made of peptidoglycan.
 -Ribosomes site of protein and lateral dehydration. o cycoplasm. -Ribosomes – site of protein synthesis, occurring for
- -Mesosome infolding of the cell surfact membrane and the lite of cell respiration.
- -Pilus Protein tubes that allow latteria to attack to ulfaces
- -Plasmids Small tildes of DNA
- -Flagel am Used for cell movement

VIRUS CELL

What is the basic structure of the virus cell?

- -Protein coat
- -Nucleic acid (DNAA or RNA)

Why do some viruses have an outer envelope and what do they contain?

- -The envelope may be taken from the host cell's surface membrane.
- -The envelope will therefore contain lipids and proteins.
- -They also have glycoproteins from the virus itself known as antigens.

What are examples of diseases caused by bacteria?

-Salmonella, gonorrhoea and cholera.

What are examples of disease caused by viruses?

-Flu, measles, chicken pox, cold sores.