

Edexcel Biology IGCSE

1.b - Variety of Living Organisms

Flashcards

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Give 4 different types of eukaryotic organism



Give 4 different types of eukaryotic organism

- Animal
- Plant
- Fungi
- Protoctist



Give 3 differences between plant and animal cells



Give 3 differences between plant and animal cells

- Plant cells have a cell wall whereas animal cells do not
- Plant cells have a permanent vacuole whereas animal cells do not
- Plant cells have chloroplasts and are able to photosynthesise whereas animal cells do not



Describe the structure of fungi



Describe the structure of fungi

- Chitin cell wall
- Often multinucleated
- They contain a mycelium which is made of hyphae threads



How do fungi feed?



How do fungi feed?

They are **saprotrophic** so they secrete enzymes that break down their food outside of their cells and then they absorb the nutrients.



Are prokaryotic cells multicellular or unicellular?



Are prokaryotic cells multicellular or unicellular?

Prokaryotic cells are unicellular



Give 5 features of bacterium cells



Give 5 features of bacterium cells

- Cell membrane
- Cell wall
- Cytoplasm
- Plasmid loops of DNA
- No nucleus but large DNA loop instead



What is a pathogen?



What is a pathogen?

A disease-causing microorganism



Give 4 different types of pathogen



Give 4 different types of pathogen

- Bacteria
- Fungi
- Viruses
- Protoctists



Describe the structure of a virus



Describe the structure of a virus

- Protein husk
- Contain nucleic acid (DNA or RNA)



Give 3 examples of viruses



Give 3 examples of viruses

- Tobacco mosaic virus (TMV)
- Human immunodeficiency virus (HIV)
- Influenza



Give two different species of bacteria



Give two different species of bacteria

Lactobacillus bulgaricus - Used in the production of yoghurt from milk.

Pneumococcus - Bacterium that causes pneumonia.

