

Cells

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All living things are made of cells. Plant and animal cells have similarities and differences

Human Cells

contains

- nucleus (1)
- cytoplasm (2)
- cell membrane (3)
- mitochondria (4)
- ribosomes (5)

- contains genetic material, activities
- controls chem reactions, enzymes
- holds together, controls in/out
- where respiration reactions, release en.
- where proteins made

Plant Cells

Also contains

- Rigid cell wall (6)
- Permanent vacuole (7)
- chloroplasts (8)

- made of cellulose, supports + strength
- contains cell sap, (sugar + salts)
- where photosynthesis occurs
- contains chlorophyll

Yeast

Yeast is a single-celled organism (micro). It has a nucleus, cytoplasm, cell membrane + cell wall

Bacteria

Bacterial cells have no nucleus. Like yeast, they are also single-celled micro-organisms. They have cytoplasm, a cell membrane and a cell wall. Genetic material floats in the cytoplasm because no nucleus

Questions

Q1 - Plant + animal cells have similarities + differences. complete each statement

a - Plant / Animal cells, but not Plant / Animal cells contain chloroplasts

b - Plant and Agar cells have a vacuole / cell wall which is made of cellulose

key

topic

definition

more info

Preview from Notesale.co.uk
page 1 of 1