

Cell Structure Homework

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September 21, 2010

Copy out the information below about cell structure, filling in the blanks with the correct biological words we have been using in class (some blanks might need more than one word). Please underline these words which you fill in.

Cell Structure

All living ... are composed of cells. An animal or a plant composed of only one cell is called Both plant and animal cells contain a ... , cytoplasm and a cell

The nucleus contains ... , which carry the ... characteristics of the cell. The nucleus is responsible for the ... of all the cell's activities.

The chemical reactions necessary for life occur in the ... , a granular, jelly-like material. The thin cell membrane forms the ... around the cell, controlling the entry and exit of substances. Certain substances are allowed through, others are not. Such a membrane is called

The cell wall, ... and chloroplast(s) are found only in plant cells.

The cell wall is made of ... , and gives the cell shape and rigidity.

The ... contains cell sap, which almost entirely fills the plant cell, and keeps the plant cell firm.

... contain the green pigment ... , and are the site of photosynthesis.

Cells are very ... , and are measured in micrometres. One thousand micrometers equal one millimetre. Therefore, one micrometer is one millionth of a metre. Plant cells are usually ... than animal cells.

In a ... organism, the cell must carry out all the processes of the organism. When an organism consists of many cells, i.e. it is ... , different groups of cells perform different This is known as division of labour. The cells have become ... , and their size and shape vary, according to the particular job they do.

A group of similar cells doing a similar job is known as a A group of different tissues carrying out a certain task is called an A group of similar organs working together may make up a