

Eukaryotic cells



Define eukaryotes.

Draw a eukaryotic cell and label the most important structures / organelles.

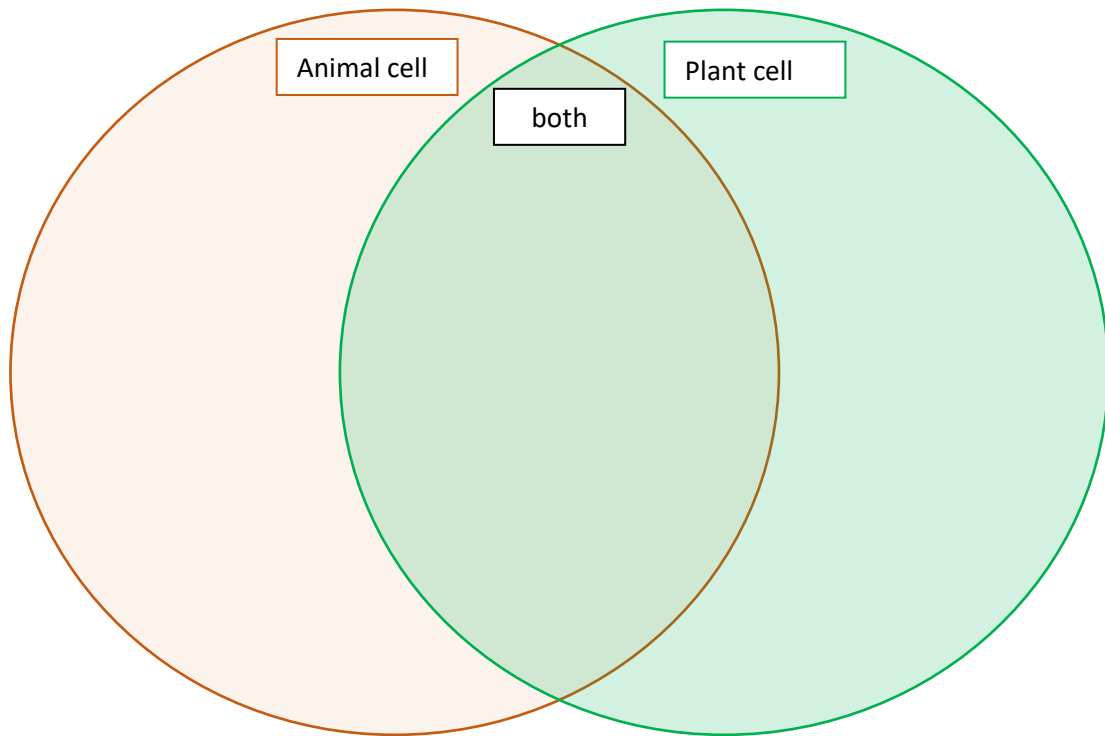
A large, empty rectangular box with a thin black border, intended for a student to draw a eukaryotic cell and label its internal structures.

Find the correct definition of the organelles of the eukaryotic cell in the table below.

Golgi Apparatus	
Free Ribosomes	
Rough Endoplasmic Reticulum	
Lysosomes	
Nucleus	
Mitochondria	
Plasma Membrane	
Cytoplasm	

Look for two labelled images - one of an animal cell and one of a plant cell – and insert them next to each other into the space below.

In the following diagram write down the organelles which are specific for animal cells, those which can only be found in plant cells and those which occur in both.



Extra questions:

Distinguish between the structure and function of smooth ER and rough ER.

Provide an explanation of the cell organelles only found in plants.

Provide an explanation of the cell organelles only found in animals.

State the composition of a plant cell wall

Identify the function of chloroplast and identify where it is found in the plant tissue

Cell games:



Cell explorer



Cell puzzle