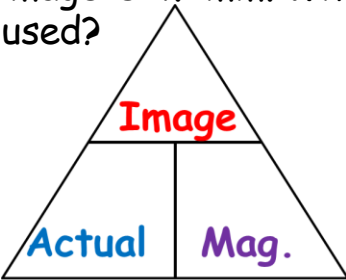


# Revision Worksheet

Define the following words:

Magnification	
Resolution	

Using the formula triangle- the size of an organism is 0.003mm and the size of the image is 4.2mm. What magnification was used?



Complete the following:

Total magnification= ..... x .....

Eyepiece Magnification	Objective Magnification	Overall Magnification
X10	X4	
x15	x400	

Describe three differences between a light microscope and an electron microscope:

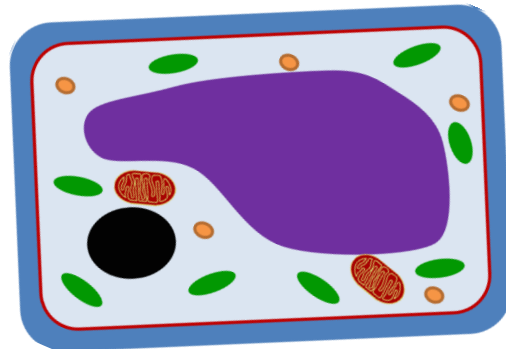
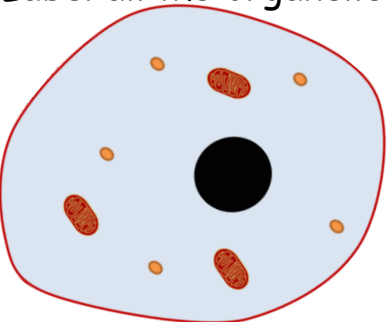
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.....

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.....

Label all the organelles in the animal and plant cells below:



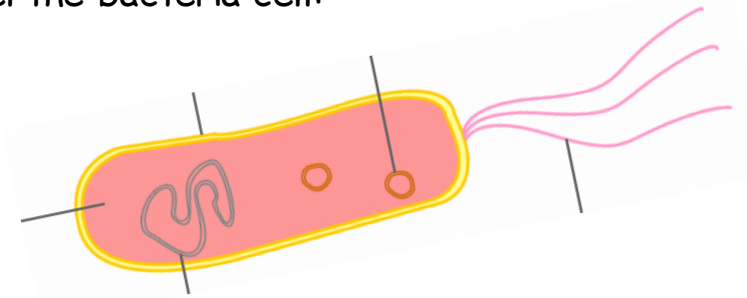
Match up the following organelles to their functions:

- Nucleus** Controls what happens in the cell and carries genetic information.
- Cytoplasm** Controls what gets in and out of the cell.
- Cell Membrane** Jelly like substance where chemical reactions happen.
- Ribosome** Where respiration occurs to make energy.
- Mitochondria** Where new proteins are made.
- Vacuole** Where the cell makes food through photosynthesis.
- Chloroplast** Where cell sap is stored
- Cell Wall** Gives the cell structure and support.

Draw a specialised cell found in the reproductive or digestive system.

Function:  
Adaptations:

Label the bacteria cell:



State the function of the following components:  
Chromosomal DNA- .....

Plasmid DNA- .....

Flagella- .....

Tick or cross which features are found in which types of cell:

Feature	Animal Cell	Plant Cell	Bacterial Cell
Cell Membrane			
Nucleus			
Plasmids			
Chloroplasts			
Cell Wall			
Cytoplasm			

Define the following words:

Eukaryotic	
Prokaryotic	