

Home Learning Instructions

Subject: Science – KS3 group

Week: 6 (12/9/2020)

Objectives:

- To recap on the 7 life processes
- Consider cell organisation.
- To appreciate the difference between a plant and animal cell and understand the function of the organelles.

Learning activities (in order to be completed)

1. The seven life processes. All plants and animals can carry out the 7 life processes.

Watch these videos.

<https://www.youtube.com/watch?v=Q2HDJP10qSQ>

These are the 7 life processes -

Movement, Respiration, Sensitivity, Nutrition, Excretion, Reproduction and Growth

If you take the first letter of each word it gives you the pneumonic MRS NERG or MRS GREN if you put the letters in a different order.

Write down these words along with definitions then learn this list and the correct spellings.

2. Cells, tissues, and organs

Our body is made up of cells, tissues, organs and organ systems. Read through the information and watch the video clip

<https://www.bbc.co.uk/bitesize/guides/z9hyvcw/revision/6>

3. Plant and Animal Cells

Plant and Animal cells are made up of organelles.

Watch this clip- The organelle rap

<https://www.youtube.com/watch?v=-zafJKbMPA8>

This clip explains what the organelles are and what they do.

Then open this page

<https://www.bbc.co.uk/bitesize/topics/znyycdm/articles/zr69dxs>

Watch the video clip which is a case study about a forensic scientist.

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Read the information and describe in detail the function of each part of the cell.
Copy the diagram of the plant and animal cell and label the parts of the cell.

Which organelles are found in a plant cell and which are found in an animal cell?

Copy this table and complete using the names below.

Cell wall
Cell membrane
Cytoplasm
Mitochondria
Vacuole
Chloroplast
Nucleus

Sort out the organelle above and put them in the table below –

Plant	Animal

Resources:

Key vocabulary:

Cell wall
Cell membrane
Cytoplasm
Mitochondria
Vacuole
Chloroplast
Nucleus

When work has been completed, please send to Cullen.j2@windsorpark.staffs.sch.uk using your school email account.