

Exploring Science

Y7

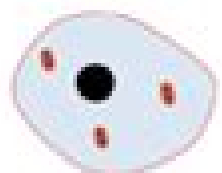
1a Cells, Tissues, Organs & Systems Revision Worksheet

Write what the 7 life processes are

1. _____
2. _____
3. _____

Explain why a robot that can move is not a living thing

Label all the parts of the animal cell below



Draw a diagram of a plant cell. Draw lines to label all of the parts below

Nucleus
Cell Wall
Cell Membrane
Vacuole
Chloroplast
Mitochondria
Cytoplasm

1b Forces - Revision Worksheet

Complete the table below describing the function of each part in a cell

	Controls the cell and stores the DNA
Cytoplasm	
Cell Membrane	
Cell Wall	
	Where respiration happens (the process that releases energy)

Compare

Describe the difference between a contact and non-contact force

Surface

Describe how a force is

Calculate the weight of an object on Earth which has a mass of 5 kg

Explain the weight factor

Describe the difference between weight and mass

Describe a situation where friction is useful

Describe a situation where friction is not useful

Describe how friction can be reduced

Describe 3 effects of friction between moving objects

1c Mixtures & Separation - Revision Worksheet

Define the following key words

Mixture	
Suspension	
Colloid	
Solution	

In a mixture of salt water, label up the following

Solute	Salt Water
Solvent	Water

Describe what would happen if you kept adding salt to a mixture of salt water that was saturated

If you add more of salt to a glass of water, what would the state of the salt water be

State the name of the principle used in the separation above

State what the solubility of a solute means

1d Mixtures & Separation - Revision Worksheet

Describe two different ways you could change the solubility of a solute

Label the diagram of a filtration practical below



Draw and label a diagram to show how you would heat a solution safely

Explain the process of producing salt that we use in food

Describe the difference between evaporation and boiling

State what you can tell about the brown spots from the chromatograph below



Describe how you would carry out a chromatography practical

State two uses of chromatography in industry

1e Mixtures & Separation - Revision Worksheet

You need to separate a mixture of copper sulfate, water and sand to collect copper sulfate crystals. Write out a method for how you would carry this out below. (You will need to use filtration and evaporation)

Explain the process of producing salt that we use in food

Describe the difference between evaporation and boiling

State what you can tell about the brown spots from the chromatograph below

Describe how you would carry out a chromatography practical

State two uses of chromatography in industry

Revision Worksheets

Exploring Science Year 7 Summary Sheets 7c

Zhe Xu



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