

Cycle 2 Homework



Subject: Geography

This cycle you are learning:
The Living World

Year 10

Homework Number	
Homework 1 – Key Vocabulary & food chains / webs	Due date -
Homework 2 – Rainforest nutrient cycle	Due date -
Homework 3 - Deforestation causes and effects	Due date -
Homework 4 – Deserts – adaptations and food chains	Due date -
Homework 5 - Revision	Due date -

Rationale for home work this term:

- To consolidate in class learning
- To secure your knowledge of key topics
- To practice skills related to your assessment

Expectations

- Complete 4 homework tasks per cycle (or the equivalent time if doing a longer project).
- Complete 1 week of revision based homework per cycle ready for week 8.
- Your homework will be marked by a mix of peer, self and teacher assessment.

Name _____

Teacher _____

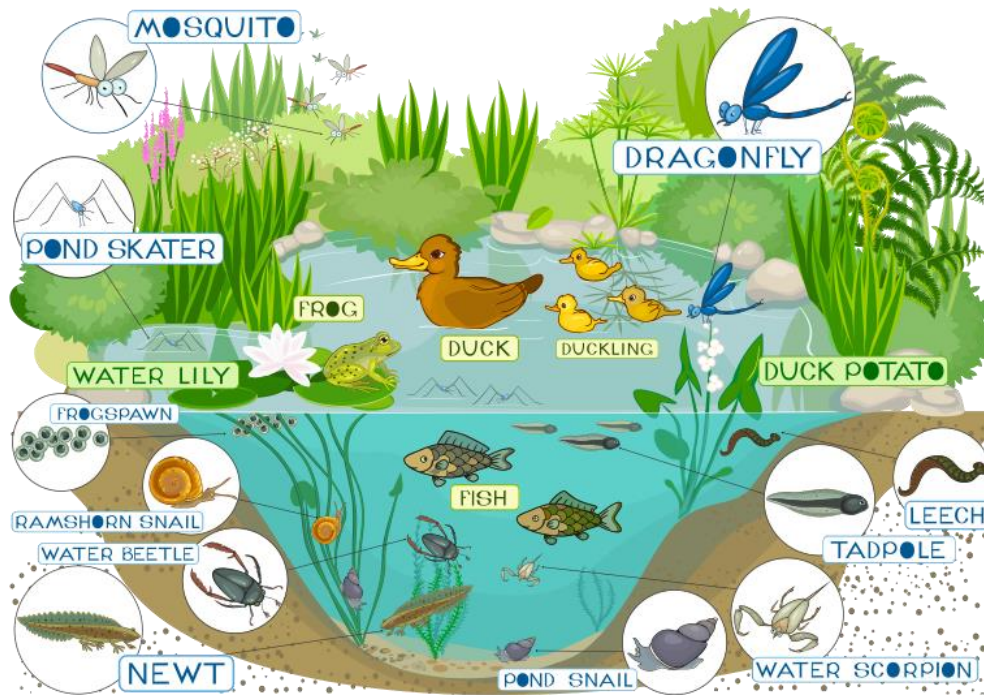
Homework No 1 – Key Vocabulary

My deadline for this piece of work is: _____

Task 1 - Complete the table to show the key vocabulary and their definitions. If you do not know all the vocabulary and their definitions you will need to research these yourself using the internet.

Ecosystem	
Biome	
Biotic components	
Abiotic components	
Producers	
Consumers	
Decomposers	
Food chain	
Food web	
Nutrient cycle	
Carnivore	
Herbivore	
Omnivore	

Task 2 – Using the picture below complete the tasks to show a food chain and food web that would exist in this small scale ecosystem.



Food chains

Draw a simple food chain to show the flow of energy from a producer to a tertiary consumer.

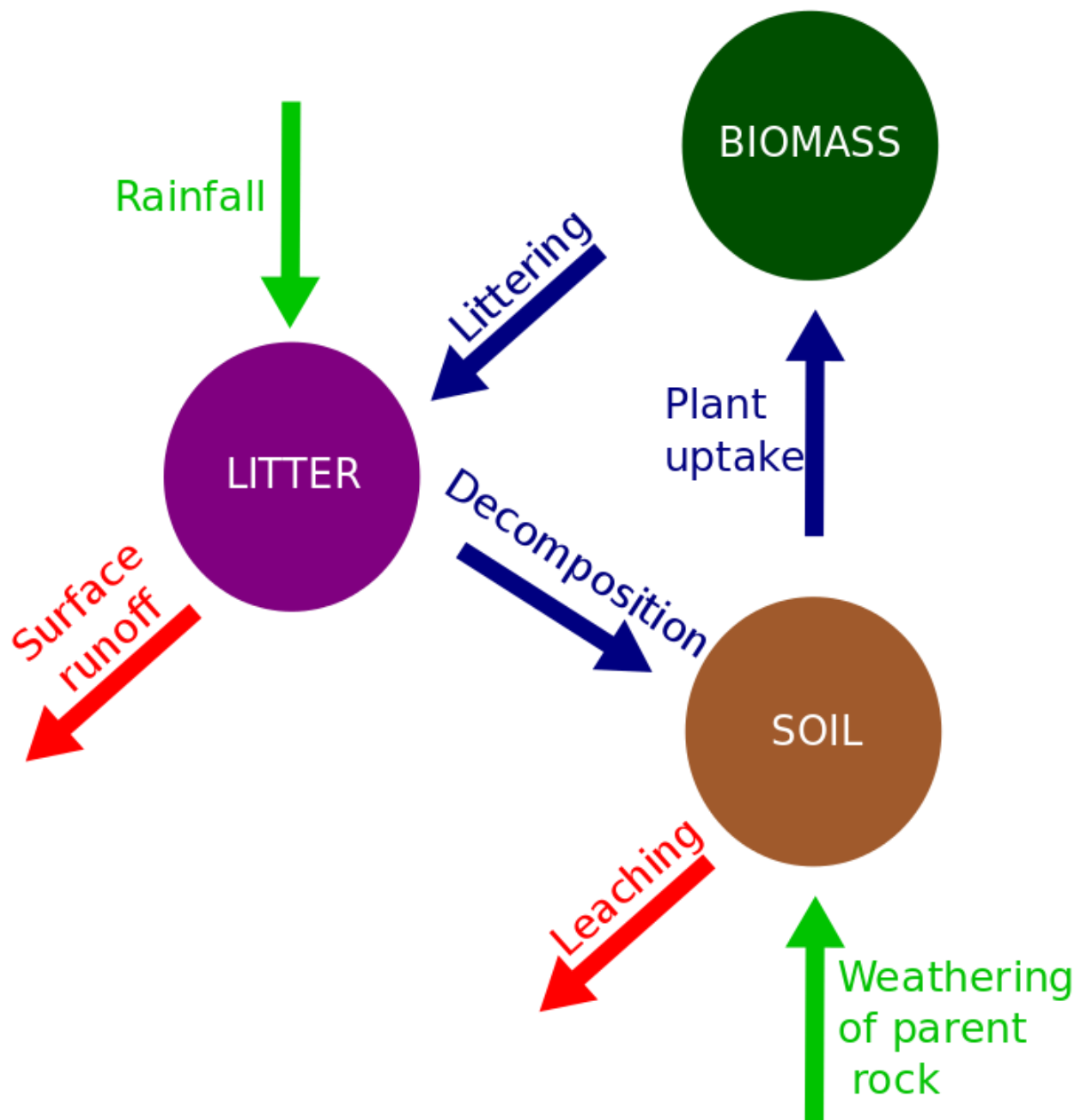
Food webs

Draw a food web to summarise the ecosystem in the diagram above.

Homework No 2 – Rainforest nutrient cycle

Work through the tasks to investigate further how nutrients move around the rainforest ecosystem.

My deadline for this piece of work is: _____



1. Define the following terms:

Precipitation -

Litter -

Soil –

Decomposition -

Leaching -

Weathering -

Biomass -

Runoff –

2. Now add the following statements to the correct place on your diagram to show how nutrients move around the rainforest.

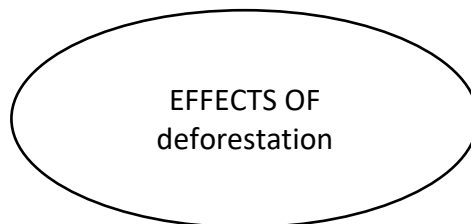
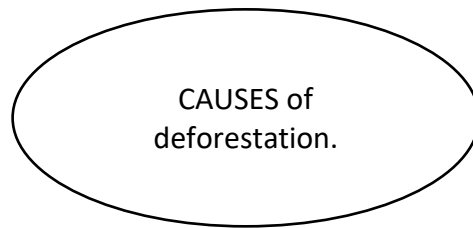
Leaves fall from a plant.	Acidic soil water dissolves bits of the rock beneath the soil.	A fig tree flowers and then fruits.
A vine grows rapidly up a tree.	Soil gets washed away during a flash flood.	A fungus grows on a fallen log.
Heavy rain flows over the surface of the ground and into a nearby river.	There is a rainstorm. Rain is a weak carbonic acid (it dissolves CO ₂ in the air as it falls).	Water running through the soil breaks down the rock beneath it into smaller pieces.
A rotten fig falls to the ground and mould quickly grows on it.	The rain makes puddles on the ground. Seeds fall in the puddles.	A mahogany tree dies and falls to the ground.

3. Explain in your own words why the soil in the rainforest is poor in nutrients.

Homework No 3 – Tropical Rainforest deforestation

My deadline for this piece of work is: _____

Complete the following mind maps to show your understanding of the CAUSES and EFFECTS of Tropical Rainforest deforestation. Make sure you give specific facts and figures from your case study.



EXT – Can you use 3 different colours to highlight the social, economic and environmental impacts of deforestation

Homework No 4 – Deserts

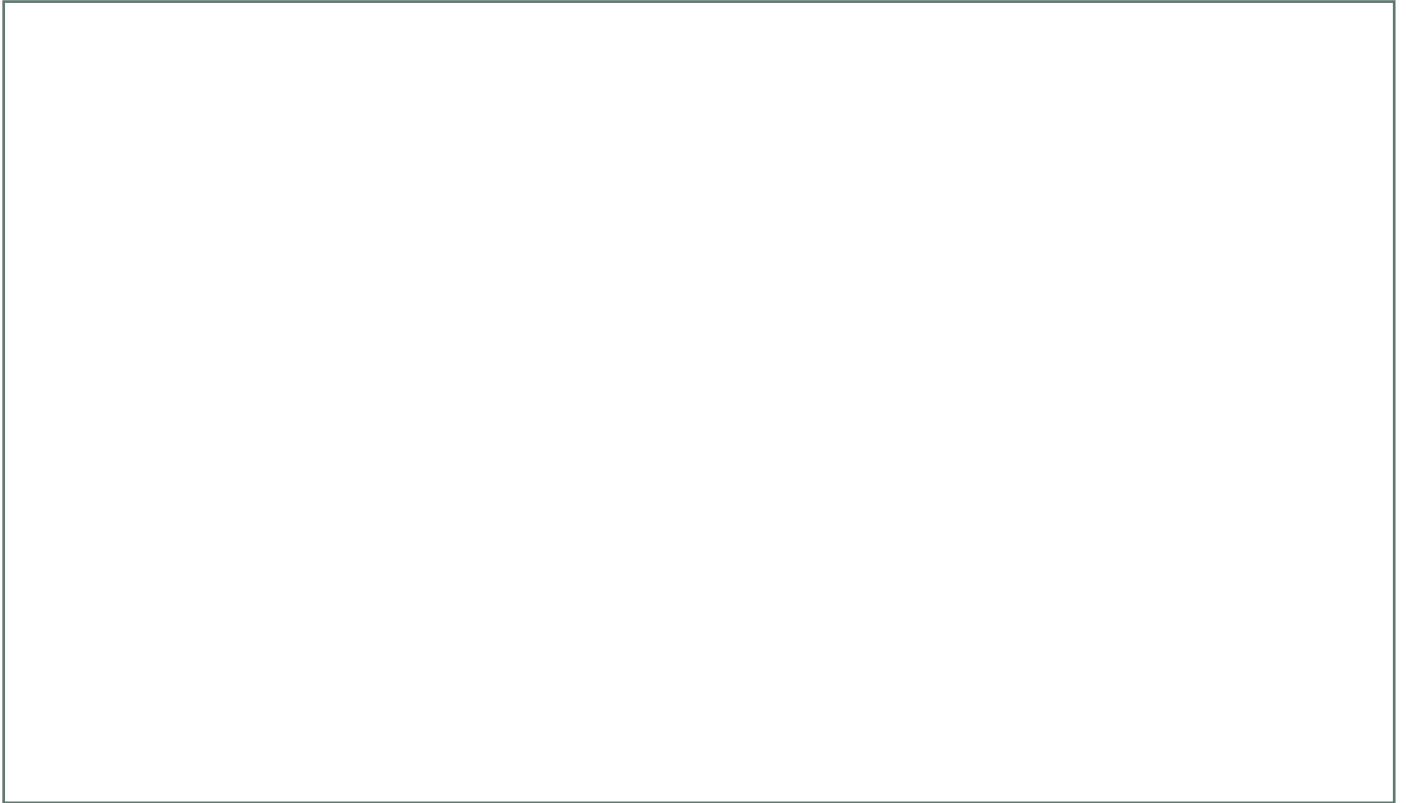
My deadline for this piece of work is: _____

Task 1 - Annotate the image below to explain how vegetation has adapted to the hot desert environment



Task 2 - Explain three animal adaptations to the hot desert.

Task 3 - Draw a simple food web for a hot desert ecosystem of your choice.



Revision Task:

My deadline for this piece of work is: _____

Choices:

- Summary notes
- Summary mind-map
- Summary questions and answers
- Set of flash cards