**Review Notes Carbon 7: Water and Carbon in the Tropical Rainforest**

Outline the inputs, stores, flows and outputs of the tropical rainforest.

With the aid of a diagram, explain the impacts of deforestation on the rainforest water cycle.

Describe and account for the changes to these processes following deforestation:

* Evapotranspiration
* Runoff
* Soil erosion

Explain why the amount of precipitation may decrease downwind of an area that has been deforested.

Outline how sustainable forest management could minimise the impact on the rainforest water cycle.

Figure 1:



What are the main characteristics of the rainforest carbon cycle?

Explain why tropical rainforests play a vital role in absorbing carbon dioxide from the atmosphere.

Draw a diagram based on Figure 1 to show the impacts of deforestation by burning on the stores and flows in the carbon cycle. Add annotations to describe the impact.

Suggest ways selective logging and replanting can minimise the effects of deforestation on the carbon cycle.

Describe the location and areal extent of the Amazon rainforest. Why is it so important as a global carbon sink?

Describe the main processes driving change in the Amazon and rank them in order of importance.

Create a mind-map of the changes to the climate, soil, vegetation and rivers of the Amazon.

What attempts have there been to mitigate some of these effects? To what extent will they be successful?