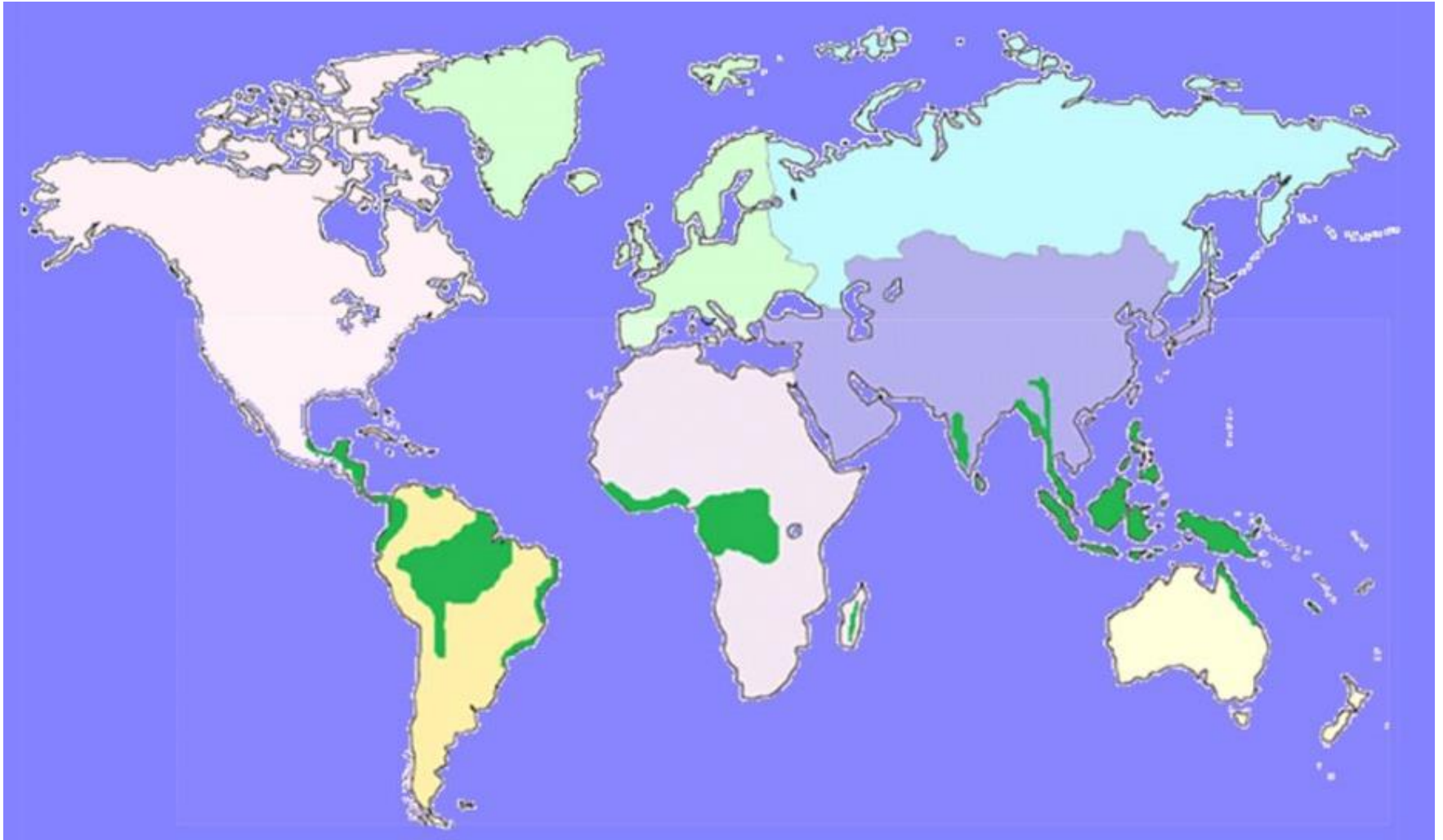




TROPICAL RAINFORESTS



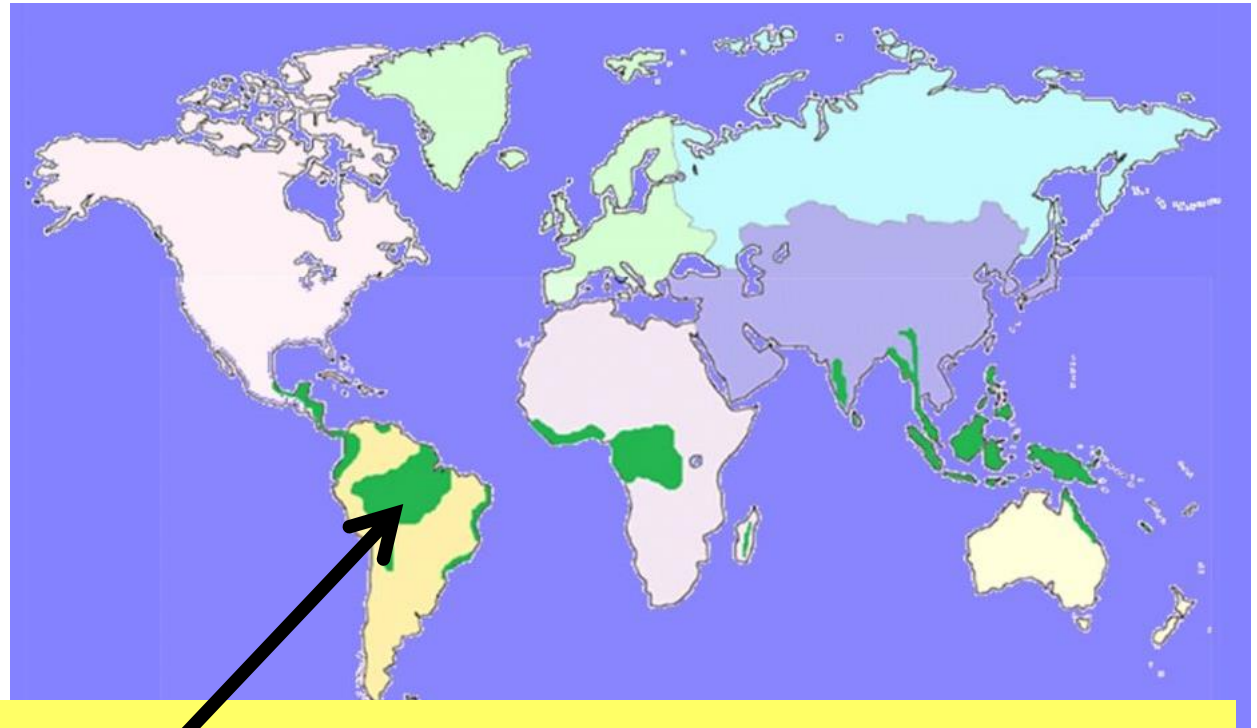
Where are tropical rainforests located?



The Climate of the Amazon Rainforest

Produce a graph to show this data.

Describe the climate of a tropical rainforest (4)



Manaus

	Jan	Feb	Mar	Apr	Ma	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temp (°c)	26	26	26	26	26	26.5	26.5	27	27.5	27.5	27	26.5
Rainfall (mm)	264	262	298	283	204	103	67	46	63	111	161	220

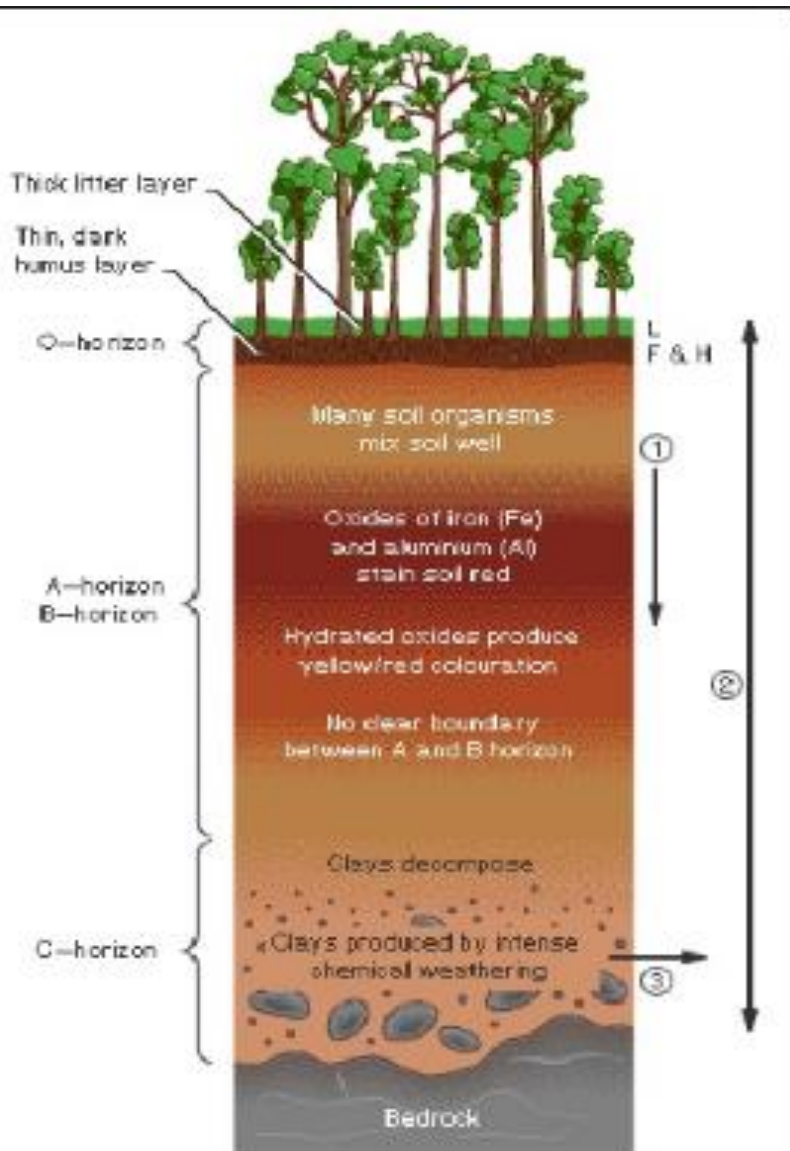
Answers - DIRT

CHECK YOUR
ANSWERS AND USE
PURPLE PEN TO
MAKE ANY CHANGES

The climate of a tropical rainforest is relatively stable. The highest temperature is 27.5°C and the lowest is 26°C so overall there is a temperature range of 1.5°C.

There is a high rainfall throughout the year. The most rain falls in March with 298mm, the lowest is in August with only 46mm meaning a range of 252mm.

Tropical Rainforest Soils - Latosols



① Heavy leaching of silica and bases due to high precipitation

② Soil depth can reach 20 m (100 ft)

Tropical rainforest soils are shallow and acidic - iron oxides stain the top layers red.

The soil is infertile and one of the poorest in the world

Heavy rainfall quickly washes away any nutrients that are not taken up by the trees

Despite the infertile soil the rainforest survives because plant and animal remains soon decay in the warm, humid climate

Shallow rooted trees quickly absorb the nutrients released by decomposition

Few nutrients are lost from the nutrient cycle as the forest literally feeds on itself

Most nutrients are stored in vegetation, when they die they decay and are then absorbed by the trees.

What animals live in the rainforest?



How are the animals adapted to the tropical rainforest?



How are the plants adapted to the tropical rainforest?



