

planet earth



JUNGLES

COMPANION WORKSHEETS FOR THE
BBC DOCUMENTARY PLANET EARTH

JUNGLES

NOTES.

The Planet Earth series produced by the BBC spans the globe, introducing students to an array of environments, plants and animals, beautifully captured and wonderfully narrated by Sir David Attenborough.

These work sheets are a primary / elementary level companion to the show. They are designed to refine the student's knowledge of the geography and environmental diversity of the world presented in the series, build map reading skills and build an appreciation for the diversity of life on the planet.

The link below is to the discovery channel page.

<http://dsc.discovery.com/convergence/planet-earth/animals/animals.html>

TASK 1 PLANET EARTH

BEFORE WATCHING 'JUNGLES' GET STARTED WITH THE TASKS BELOW.

USING COLOR PENCILS:

1. Draw a line across the map to represent the equator. Try it in pencil first and then finish it off with a red color pencil.

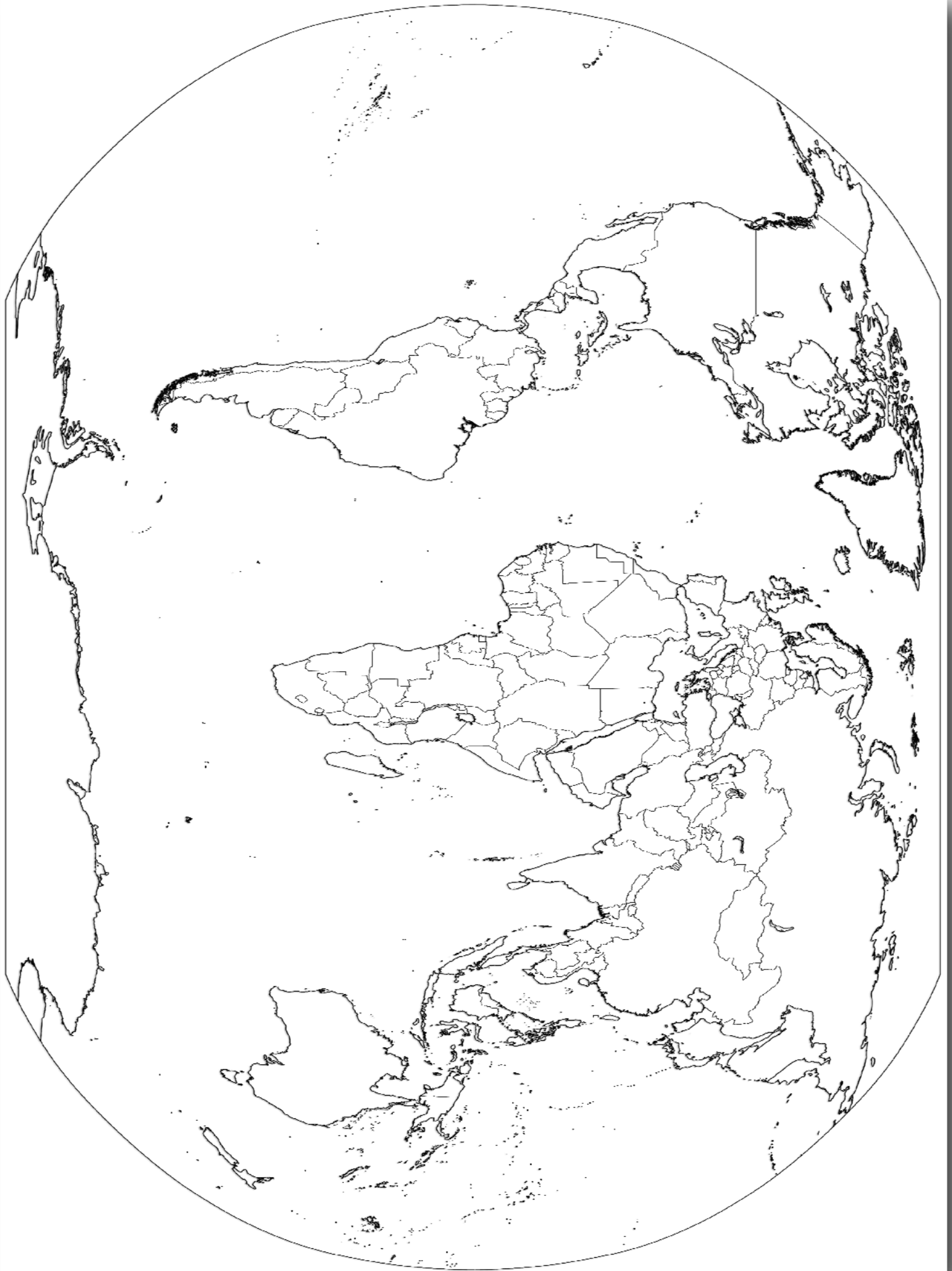
This website will help you find the right place for your red line

<http://olc.spsd.sk.ca/DE/k9mod/mapskill/mod3f15.swf>

2. With a blue color pencil lightly and carefully color the oceans, seas and largest lakes of the world. You can label the oceans if you'd like!
3. Now take a look at your world and list the continents and major islands the equator passes through. There are only four!

4. Find and color the tropical island of New Guinea using a green color pencil. New Guinea is a large island covered in jungles and rainforests.

THAT IS WHERE WE WILL BEGIN OUR JOURNEY! LET'S START.



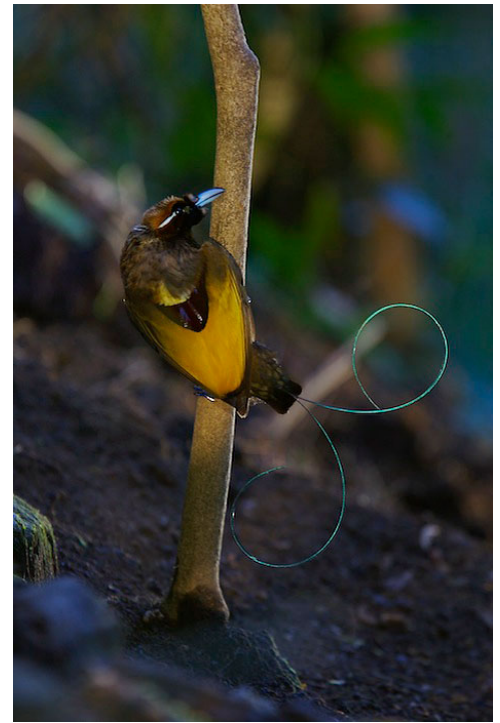
TASK 2

NEW GUINEA

BIRDS OF PARADISE



Why are the male birds of paradise so extravagant?



bird of paradise



bird of paradise



bird of paradise



bird of paradise

LISTEN CAREFULLY TO LABEL THE BIRDS OF PARADISE AND FIND OUT THE ANSWER TO THE QUESTION.

STOP THE VIDEO IF YOU HAVE TO!

00:00:00 ~ 00:04:43

LISTEN CAREFULLY AND ANSWER THE QUESTIONS BELOW.

1. WHERE DO RAINFORESTS FLOURISH?

- Only in New Guinea
- All over the world.
- In a belt around the equator
- In the Northern Hemisphere

2. IN A RAINFOREST HOW MUCH SUNLIGHT GETS DOWN TO THE FOREST FLOOR?

- All of the sunlight makes it through the canopy
- About 22% of the sunlight gets through the canopy
- None of the sunlight gets through
- About 2% of the sunlight

3. HOW MANY DIFFERENT SPECIES OF TREE CAN BE FOUND IN A LARGE PATCH OF RAINFOREST?

- About 25 different species of trees
- About 250 different species of trees
- So many that we can't count them all
- At least 150 different types of flowers

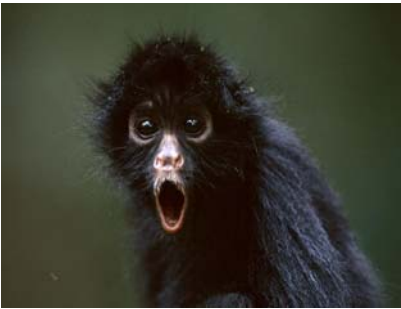
4. WHY IS IT GOOD THAT OLD TREES FALL DOWN IN A RAINFOREST?

TASK 4 RESEARCH!


Tamarin monkeys range from southern Central America through central South America, where they are found in north western Colombia, the Amazon Basin.



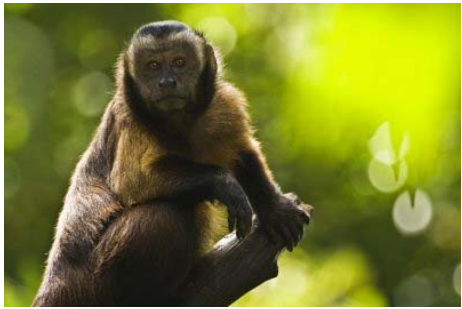
Using a green pencil color your world map to show the places where you can find Tamarins!



monkey



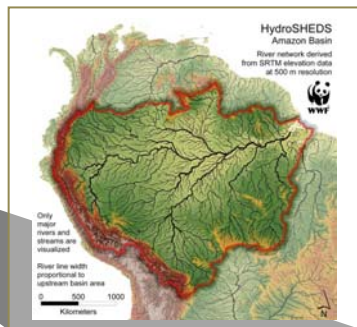
monkey



monkey


TASK 5

New World Monkeys



AFTER YOU LABEL THE MONKEYS ON THIS PAGE ANSWER THE QUESTION BELOW.

What is the one fruit all of these monkeys love to eat?



monkey

TASK 6 RESEARCH!

Siamang gibbons are supremely well adapted to life in the treetops of the Malaysian and Indonesian rainforests, swinging through the branches.

Using a green pencil color your world map to show the places where you can find Siamang!



Fact Search.

We've checked out monkeys in the Amazon. Now we're checking out gibbons in Indonesia. Question.

Are gibbons monkeys?

- No, they're Apes
- Yes, of course they are!!

Check out this link for help...

<http://www.bbc.co.uk/nature/life/Primate>

JUNGLE SOUNDS!

The rainforest is loudest in the cooler air of the morning and late afternoon. So many animals make the jungle their home.

Can you name one kind of animal that comes out to sing at night?

EnDAnGERED

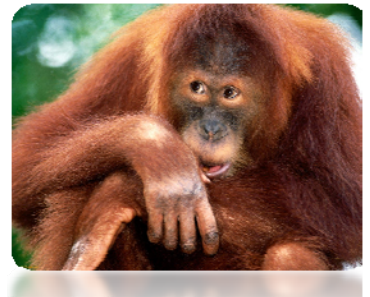
Orangutans living in

Indonesia are on two

endangered lists - the

Endangered and the Critically Endangered.

Why are they Endangered?



http://wwf.panda.org/what_we_do/endangered_species/great_apes/orangutans/

TASK 7 RESEARCH!

Gliding Leaf Frogs are the largest members of their family in Costa Rica, with adults measuring between 67 and 95 millimeters.



Using a green pencil color your world map to show the places where you can find Gliding Leaf Frogs!

00:18:45 ~ 00:22:20

The Water Cycle in a RainForest...

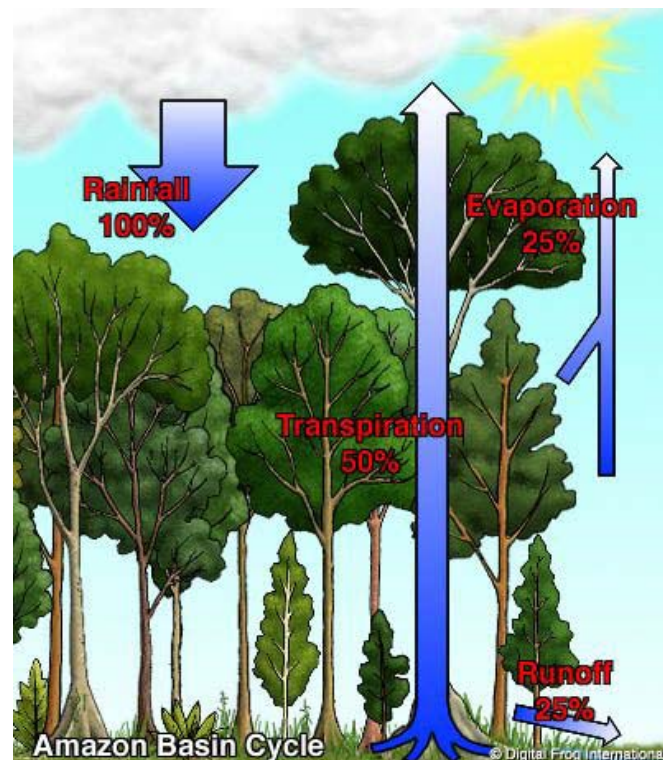
It rains a lot in a rainforest.

Trees and plants suck up a lot of this water, but they don't use it all.

What happens to all the water the trees don't use?

- ⊗ Some of it 'runs off' to make large rivers
- ⊗ Most of it returns to the air as water vapor
- ⊗ A lot of it becomes clouds and rain again
- ⊗ All of the answers above are right

TASK 8



What is the name of the largest rainforest in the world?

The Amazon River is the largest (not the longest) river in the world. It is the largest because it has more water running through it than any other. **Draw the Amazon River on your world map. Use a blue felt tip pen.** Check out the Amazon River with Google Earth!!

00:22:21 ~ 00:24:20

FACT :

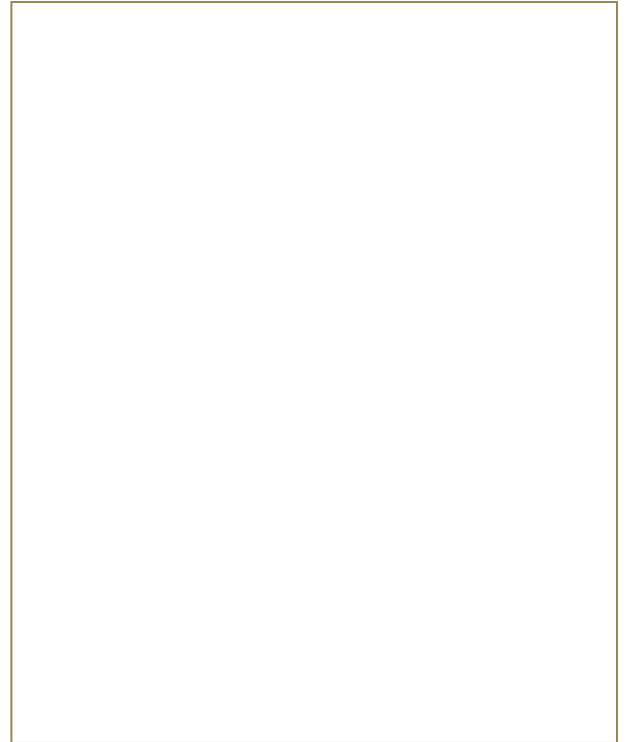
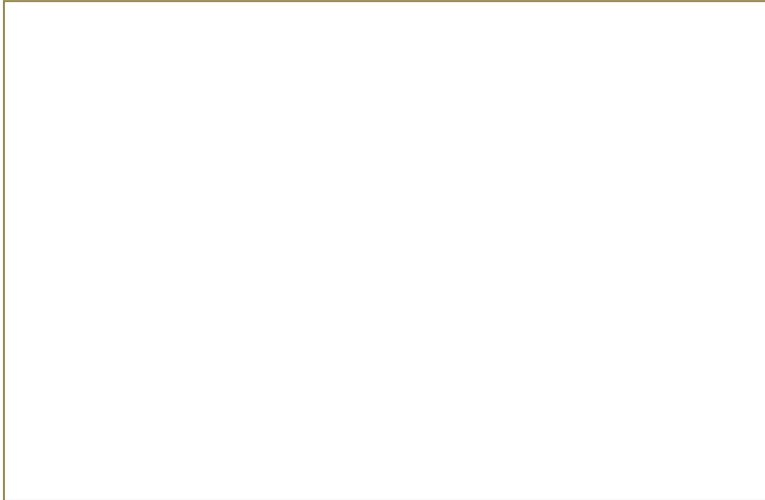
TASK 9

In hot wet jungles some creatures live off the fallen leaves and trees.

Can you name two? Then draw them in the boxes!

1. _____

2. _____



Fungi

00:24:21 ~ 00:28:07

Fungi connected to tree roots help the forest by eating the nutrients in dead plants and feeding them back into the trees before the rains wash everything away. Fungi are very important. Without these nutrients the trees would not be able to grow so well.

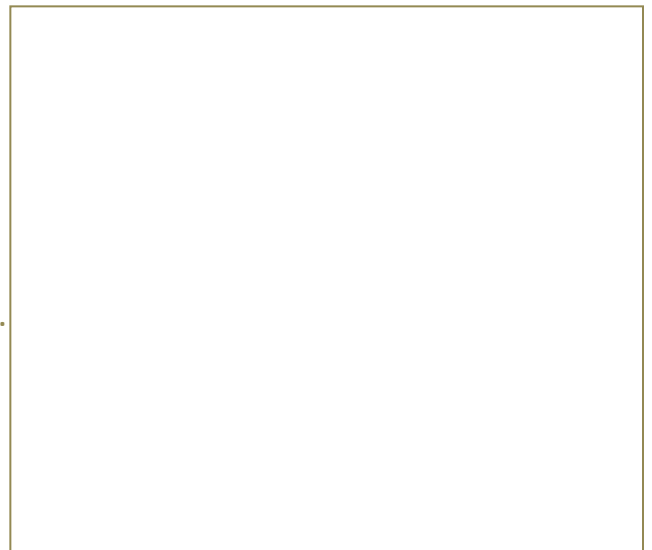
How many different types of Fungi might there be in tropical jungles and rainforests?

- About ten
- More than 100,000
- At least one million
- 10,000

Name two kinds of animals that eat Fungi. Draw one.

1. _____

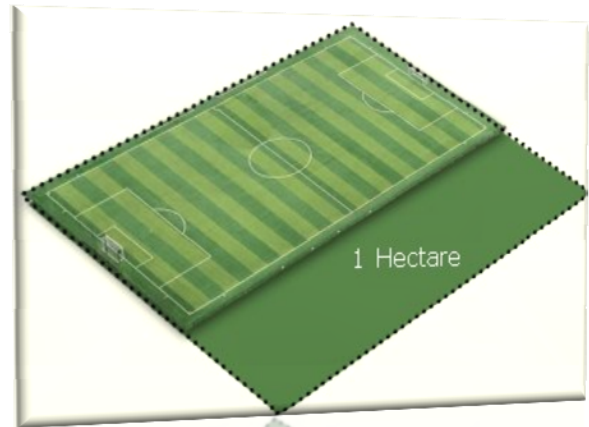
2. _____



80% OF ALL INSECTS IN THE WORLD LIVE IN JUNGLES.

A lot of those insects are ants.

How many ants would you be able to count in one hectare of land?



A fungus called Cordyceps grow out of an ant's brain or body. If the other ants see

ARGH!! CORDYCEPS FUNGUS ARE EATING MY BRAIN!!!

one of their fellow ants acting like they are infected with the Cordyceps fungus they take them far from the colony and dump them.

Why do you think they do this?



TASK 11 RESEARCH!

The rainforests of tropical Asia provide plenty of towering trees as launch pads for Colugo. They use thin, blanket-like membranes extending between their front and back limbs to glide through the jungle.



Listen carefully and answer the questions!

00:31:25 ~ 00:33:23

1. **Where do Colugos live?** _____

2. **What country is Borneo a part of?** _____

3. **What other name do people call the Colugo?** _____

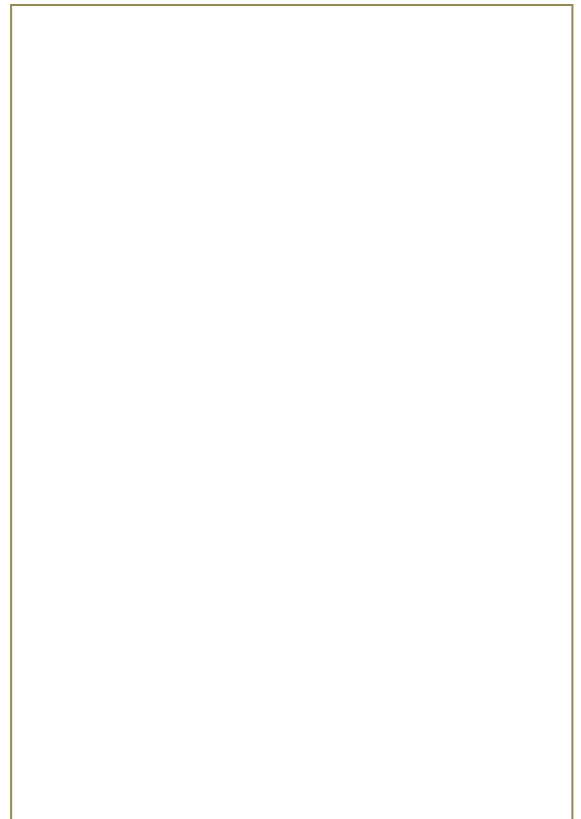
PLANTS that eat Meat!

Name one jungle plant that eats insects.

Which animal can live safely dive into a pitcher plant?

DRAW A PICTURE OF THE PLANT THAT EATS MEAT!

00:33:23 ~ 00:36:50

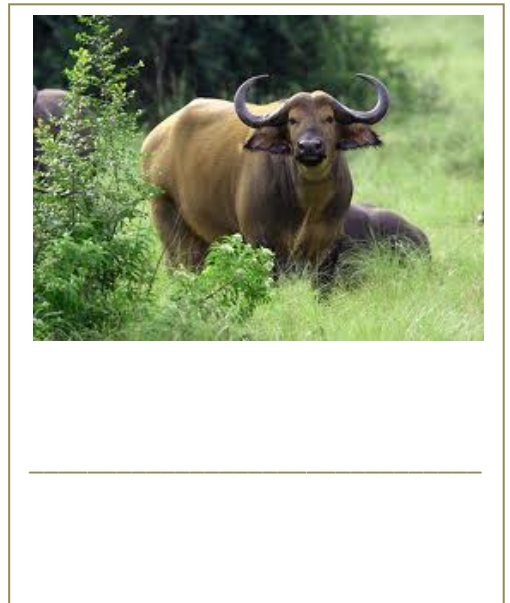
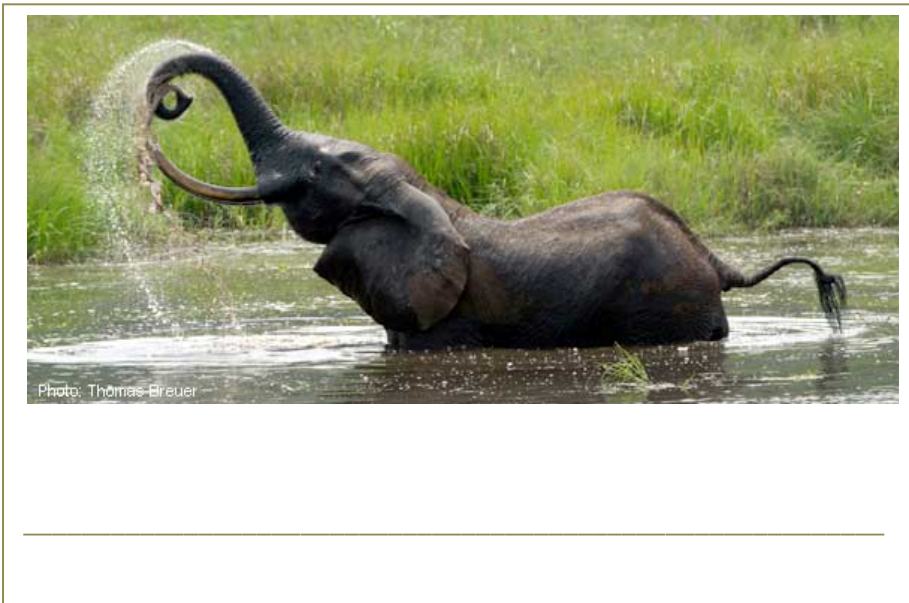
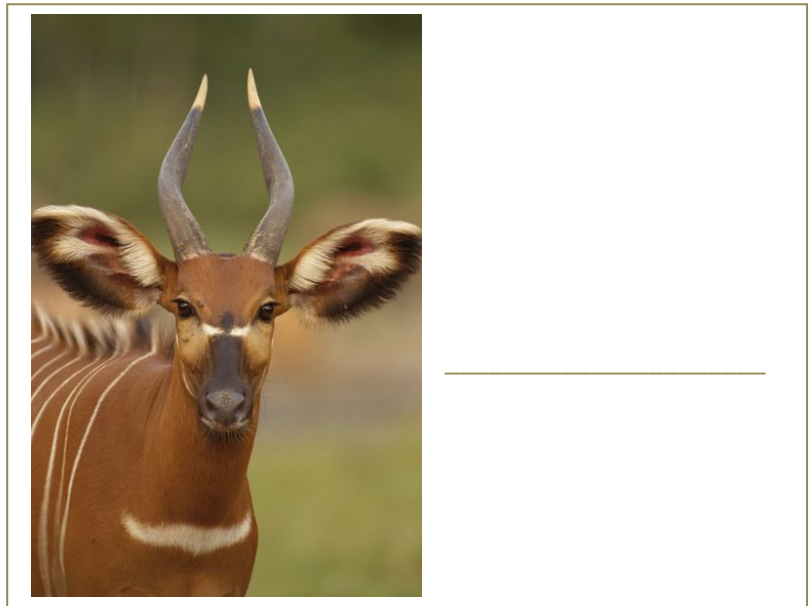
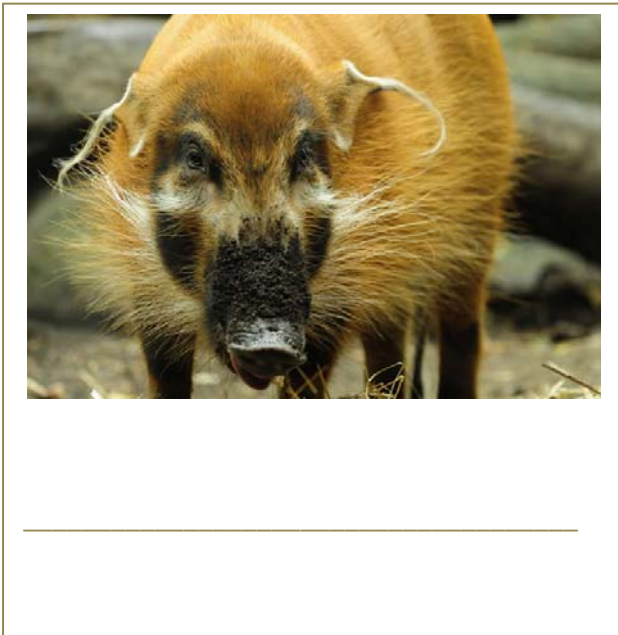
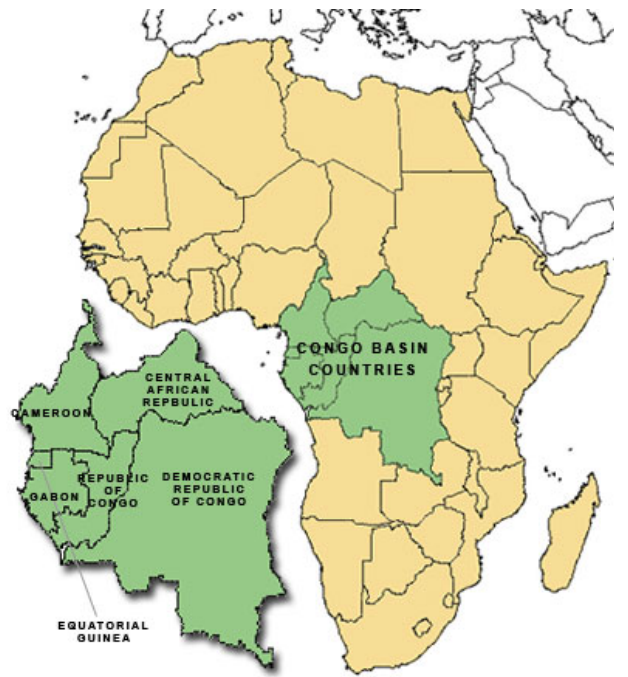


TASK 12 THE CONGO

GO BACK TO YOUR WORLD MAP AND COLOR THE CONGO BASIN (JUNGLE) WITH A GREEN COLOR PENCIL. YOU MIGHT ALSO LIKE TO CHECK OUT THE CONGO USING GOOGLE EARTH.

A LOT OF BIG ANIMALS LIVE IN THE CONGO BASIN. CHECK OUT THE PICTURES BELOW AND LABEL THEM...

00:36:50 ~ 00:42:46



TASK 13 JUNGLE PRIMATES

00:42:47 ~ 00:50:10

With the exception of humans, who inhabit every continent, most primates live in tropical regions of South Americas, Africa and Asia. Primates range in size from the 'mouse lemur', which weighs only 30 grams, to the mountain gorilla, weighing 200 kilograms.

In the video,

Can you name the jungle primates that live in large groups?

The chimps in the video live in Uganda.

Find Uganda on your world map and color it with a green color pencil.

Use Google Earth, a map of Africa and geographic hints like the big lake next to it, to find it.



LAST QUESTION!

Why did the large group of Chimpanzees attack their neighbors?
