# MADAGASCAR and the TREE of LIFE



0. MADAGASCAR and the TREE of LIFE - Story Preface

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Baobabs, with their swollen stems, are easily recognizable. Able to store large amounts of water, in their stems, they are known as a "Tree of Life" because they can help people cope with seasonal droughts. This image, by Bernard Gagnon, depicts a Baobab (*Adansonia grandidieri*) in Madagascar. License: <u>CC BY-SA 3.0</u>

In bright Madagascar We see Baobab Trees; But the land growing forests Is oft-swept to the sea.

In <u>Madagascar</u> - like other places in Africa - the <u>Baobab tree</u> is special. It can live for thousands of years. <u>The tree</u> - especially when it does not have leaves during much of the year - looks upside-down. There is an <u>old legend</u> about that:

The baobab was among the first trees to appear on the land. Next came the slender, graceful palm tree.

When the baobab saw the palm tree, it cried out that it wanted to be taller.

Then the <u>beautiful flame tree</u> appeared with its red flower and the baobab was envious for flower blossoms.

When the baobab saw the magnificent fig tree, it prayed for fruit as well.

The gods became angry with the tree and pulled it up by its roots, then replanted it upside down to keep it quiet.

<u>Baobab trees</u> are often called "The Tree of Life." That's because people (and animals) use them for many different things:

- The bark is used for rope and cloth;
- The leaves are used for medicine;
- The fruit called "monkey bread" is used for food;
- The stems store "massive amounts of water" used during the dry season;
- The huge trunks are <u>used as homes</u>.

Madagascar - also home to a <u>stone forest called Tsingy</u> and part of the story for popular movies such as the <u>Madagascar trilogy</u> - used to be filled with all kinds of trees and a beautiful <u>rainforest</u>. Today, ninety percent of the rainforest's trees are gone.

The rainforest's trees have been <u>cut down</u> by people for different reasons. Some people needed the wood to heat their homes; others sold it to buy food for their families.

Trees and forests protect the land from flooding. They also help to clean the air and <u>provide oxygen</u> - for people and animals - through a process called <u>photosynthesis</u>.

Now that so many of <u>Madagascar's trees</u> have been cut down, flooding can happen which causes the land to erode. So much <u>erosion</u> has happened that some of Madagascar's land is falling into the sea.

Fewer trees also make life harder for the <u>island's wildlife</u>. Some of its <u>special dwellers</u> (including those which are now threatened or no longer exist) are included in this list:

- The Elephant Bird (now extinct, whose eggs were positively gigantic);
- <u>Indiri</u> (native to Madagascar, this type of tree-living lemur is endangered);
- Greater <u>bamboo lemurs</u> (the world's rarest lemurs) are also threatened;
- Of the 103 species of Madagascar lemurs, "more than 90% ... should be on the <u>Red List of Threatened Species</u>" (according to <u>recent reports</u>);
- Ave-ave (near-threatened, these primates sleep during the day and forage at night).

With only ten percent of <u>their rainforest trees</u> left, the people of Madagascar are working hard to protect them. How are similarly threatened rainforests in South America faring?

See Alignments to State and Common Core standards for this story online at:

http://www.awesomestories.com/asset/AcademicAlignment/MADAGASCAR-and-the-TREE-of-LIFE-The-Lorax

See Learning Tasks for this story online at:

http://www.awesomestories.com/asset/AcademicActivities/MADAGASCAR-and-the-TREE-of-LIFE-The-Lorax

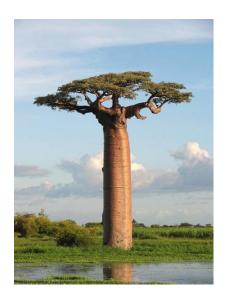
# **Questions 2 Ponder**

## How Do We Balance Human Progress with Protecting Our Natural Environment?

Sometimes we have needs which conflict. For example ... people need to protect the rainforests - and - they need to cut-down trees to build towns, roads and houses.

How do we decide which needs are more important? How do we balance competing important needs?

# Media Stream



#### Baobab - Tree of Life

Baobabs, with their swollen stems, are easily recognizable. They beautify the landscape in places like Madagascar.

Able to store large amounts of water, in their stems, they are known as a "Tree of Life" because they can help people cope with seasonal droughts.

The fruit of a Baobab tree grows in large pods which are called "money bread" or "cream of tartar fruit." The fruit is rich in Vitamin C.

One Baobab tree, in South Africa, has a circumference of 47 meters (154.2 feet)! It's called "Big Baobab" and, inside the trunk of the tree, is a bar which seats 60 people.

This image, by Bernard Gagnon, depicts a Baobab (*Adansonia grandidieri*) in Madagascar.

Click on the image for a better view.

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Map image by Connormah, online courtesy Wikimedia Commons.

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## Madagascar - Baobab Tree

Photo of Baobab tree by Quinn Norton.

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### <u>Baobab Tree - Adansonia grandidieri</u>

Photo of a Baobab Tree, in Madagascar, by Bernard Gagnon, online courtesy Wikimedia Commons.

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### Flame Tree

Photo of Flame Tree, online courtesy Hawaii Tourist.

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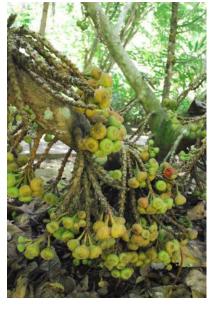


Fig Tree

Photo by Tian Yake, online via Flickr.

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### Bark of the Baobab Tree

Photo of the bark of a Baobab Tree, growing in the <u>botanical gardens</u> of Ruhr University Bochum, by Dodshe. Online, courtesy Wikimedia Commons.

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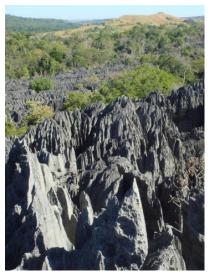
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#### Baobab Tree - Home

Photo of Baobab Tree house at Kayila Lodge, Zambia. Online, courtesy Wikimedia Commons.

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### <u>Madagascar - Stone Forest</u>

Photo of Tsingy - 121 - on the island of Madagascar, by Olivier Lejade, online via Flickr.

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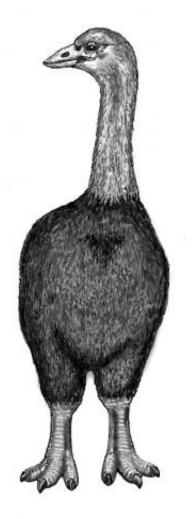
# Illegal Logging in Madagascar

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# Elephant Bird - Madagascar

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## <u>Madagascar - Erosion</u>

Photo of erosion gully, in Madagascar, by Frank Vassen, online courtesy Wikimedia Commons.

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## <u>Photosynthesis - Simplified by Animation</u>

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## Madagascar - Special Island Dwellers

Clip from the BBC's program, "Madagascar - Island of Marvels," copyright BBC, all rights reserved. Online via BBC Channel at YouTube. Clip provided here as fair use for educational purposes.

Series Producer: Mary Summerill

Presenter: David Attenborough

Producer: Mary Summerill

Executive Producer: Michael Gunton

Soundtrack for the program:

György Ligeti - Kammerkonzert

James Michael Dooley - Creeping Fear

John Devereaux - Balance Of Terror

Sarah Class - Specially composed music for the series recorded by the BBC National Orchestra of Wales

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### Madagascar 3 - Trailer

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