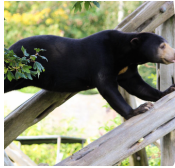






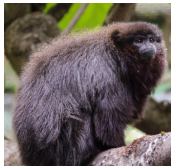
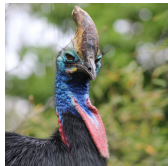


# Rainforest Logic Puzzle

Use the clues to work out which animal lives in which layer of the rainforest. Each layer can have more than one animal, but each animal only belongs to one layer.

 Malayan Sun <b>Bear</b>	 Visayan Spotted <b>Deer</b>	 Red-fronted <b>Macaw</b>
 Pygmy <b>Hippo</b>	 <b>Chimpanzee</b>	 Buff-Cheeked <b>Gibbon</b>
 Blue Poison Dart <b>Frog</b>	 Coppery Titi <b>Monkey</b>	 Southern <b>Cassowary</b>



## First Level Clues

1. The **macaw** lives higher up than the chimpanzee and the gibbon.
2. The **chimpanzee** lives in the same layer as the sun bear.
3. The **cassowary** lives in the lowest layer, below the chimpanzee.
4. The **sun bear** lives just below the gibbon.
5. The **pygmy hippo** lives in the same layer as the cassowary.
6. The **poison dart frog** lives lower than the gibbon but higher than the pygmy hippo.
7. The **coppery titi monkey** lives one layer above the poison dart frog.
8. Three animals live on the **forest floor**.

Rainforest Layers	Animals
<p><b>Emergent Layer</b></p> <p>This top layer gets the most sunlight due to its sparse foliage. Home to some of the rainforest’s oldest and tallest trees, it’s mainly inhabited by animals that get around by flying or gliding around the treetops.</p>	
<p><b>Canopy</b></p> <p>This layer provides shelter to the layers below and blocks out the elements, creating a dark, humid environment. Rich in food, it supports more species than any other layer. The majority of animals here can either fly or easily manoeuvre across tree branches.</p>	
<p><b>Understorey</b></p> <p>Dark and humid, this layer makes up for the low light with bright and strong-scented flowers that attract pollinators. While new plants and shrubs grow here, they rarely reach great heights. Animals living here often thrive in humidity.</p>	
<p><b>Forest Floor</b></p> <p>The darkest layer of all, with little sunlight reaching the ground. Few plants grow here, and the floor is mostly covered in fallen leaves and decaying matter. This lowest layer is also prone to flooding during heavy rainfall.</p>	

# Animal Fact File

Here are a few interesting facts about each of the animals featured in the puzzle. The puzzle is about which rainforest **layers** they live in. However, as they all live in rainforests in different parts of the world, they don't necessarily live together.

**Red-fronted Macaw:** A critically endangered species native to Bolivia.

**Chimpanzee:** A species of great ape native to tropical Africa.

**Malayan Sun Bear:** The world's smallest species of bear found in Southeast Asia.

They forage for a variety of food items, including insects, fruits, and honey.

**Buff-Cheeked Gibbon:** A species of ape that is primarily found in Southeast Asia.

**Southern Cassowary:** A large flightless bird found in Indonesia, Papua New Guinea, and northeastern Australia. It primarily feeds on fallen fruit.

**Blue Poison Dart Frog:** Found in only a few isolated areas of rainforest in Suriname and Brazil. Among the most poisonous amphibians in the world.

**Coppery Titi Monkey:** A species of monkey from South America, mainly Brazil, Peru and Bolivia.

**Pygmy Hippo:** A semiaquatic herbivore native to the forests of West Africa.





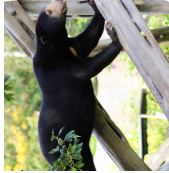



**Visayan Spotted Deer:** A species of deer normally found in the rainforests of the Visayan Islands (Philippines). Most active at dawn and dusk.

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*Please note: In real life, most of these animals inhabit more than one layer. For the sake of this puzzle, we have simplified it to the layer they are most associated with.*

**SPOILER ALERT!**

**solution below**

Rainforest Layers	Animals
<p><b>Emergent Layer</b></p> <p>This top layer gets the most sunlight due to its sparse foliage. Home to some of the rainforest’s oldest and tallest trees, it’s mainly inhabited by animals that get around by flying or gliding around the treetops.</p>	<div></div> <div>Red-fronted <b>Macaw</b></div>
<p><b>Canopy</b></p> <p>This layer provides shelter to the layers below and blocks out the elements, creating a dark, humid environment. Rich in food, it supports more species than any other layer. The majority of animals here can either fly or easily manoeuvre across tree branches.</p>	<div></div> <div>Buff-Cheeked <b>Gibbon</b></div> <div></div> <div>Coppery Titi <b>Monkey</b></div>
<p><b>Understorey</b></p> <p>Dark and humid, this layer makes up for the low light with bright and strong-scented flowers that attract pollinators. While new plants and shrubs grow here, they rarely reach great heights. Animals living here often thrive in humidity.</p>	<div></div> <div><b>Chimpanzee</b></div> <div></div> <div>Malayan <b>Sun Bear</b></div> <div></div> <div>Blue Poison <b>Dart Frog</b></div>
<p><b>Forest Floor</b></p> <p>The darkest layer of all, with little sunlight reaching the ground. Few plants grow here, and the floor is mostly covered in fallen leaves and decaying matter. This lowest layer is also prone to flooding during heavy rainfall.</p>	<div></div> <div>Southern <b>Cassowary</b></div> <div></div> <div>Pygmy <b>Hippo</b></div> <div></div> <div>Visayan <b>Spotted Deer</b></div>

# Rainforest Logic Puzzle

## SOLUTION

### First Level Clues

**The macaw lives higher up than the chimpanzee and the gibbon.**

We don't know which layer they live in yet, so let's lay them out on the table first and not stick them on to our grid yet. We can place the macaw above the chimpanzee and the gibbon.

**The chimpanzee lives in the same layer as the sun bear.**

We can add the sun bear next to the chimpanzee and the gibbon.

**The cassowary lives in the lowest layer, below the chimpanzee.**

The lowest layer is the Forest Floor, so we can stick the cassowary on to the Forest Floor on our grid. We know it lives below the chimpanzee but not if it lives immediately below, so we'll not stick the chimpanzee down just yet.

**The sun bear lives just below the gibbon.**

We can move the sun bear below the gibbon, and also the chimpanzee as the sun bear and the chimpanzee live in the same layer.

We now know the cassowary is below the chimpanzee and sun bear; the chimpanzee and sun bear are below the gibbon; and the gibbon is below the macaw. So we can stick all four of them on to our grid.

Your grid should currently show the following:

Forest Floor = cassowary; Understorey = sun bear and chimpanzee; Canopy = gibbon; Emergent layer = macaw

**The pygmy hippo lives in the same layer as the cassowary.**

Easy! Stick the pygmy hippo next to the cassowary on the Forest Floor.

**The poison dart frog lives lower than the gibbon but higher than the pygmy hippo.**

Lower than the gibbon (Canopy) and higher than the pygmy hippo (Forest Floor) must mean the poison dart frog lives in the Understorey.

**The coppery titi monkey lives one layer above the poison dart frog.**

We know the poison dart frog lives in the Understorey, so one layer above that is the Canopy.

**Three animals live on the forest floor.**

We only have the deer left to place. Three animals live on the Forest Floor, but there are currently only two there (cassowary and pygmy hippo), so the deer must be the third.