EVERYTHING has a home

RAINFOREST

LOSA NGELES

Scientists at Work

Goliath Bird-Eating Spider

Baird's Tapir

Great Blue Heron

Pacfic Treefrog

Opossum

Mule Deer

Red-Tailed Hawk

Mountain Lion

Common Raven

California King Snake

Northern Mockingbird

California Brown Tarantula

Giant River Otter

Red-Bellied Piranha

Emerald Tree Boa

Jaguar

Cotton-Top Tamarin

Uakari

Keel-Billed Toucan

Harpy Eagle

Illustration by S. Vigallon

© Los Angeles Zoo 2014

This project made possible, in part, by:

Nimoy Foundation

Junior Board,

Alex Schwartz

Danielle Schwartz

Julie Nimoy

Toyota

The Thomas and Dorothy Leavey Foundation
Complete the labels for each layer of the forest. Choose from the following words:

- forest floor
- canopy
- understory
- emergent

Color the picture and add some rainforest animals.
RAINFOREST is a home

A FACT is something that can be proven.
An OPINION is something that someone thinks or believes and CANNOT be proven.
Read each sentence carefully. Circle the correct response, FACT or OPINION for each sentence.

1. Rainforests are forests that experience a high level of rainfall. FACT OPINION
2. Rainforests are filled with beautiful flowers. FACT OPINION
3. The “emergent” is the highest level of a rainforest. FACT OPINION
4. Everyone should visit the rainforest. FACT OPINION
5. The average temperature in a rainforest is between 75° and 80°. FACT OPINION
6. The sounds in the rainforest are loud and annoying. FACT OPINION
7. About 1/4 of all the medicines we use come from rainforest plants. FACT OPINION
8. It is too muddy in the rainforest to walk around. FACT OPINION

Find and circle the following words in the puzzle below. Words may be forward, backward, horizontal, vertical, or diagonal.

```
D A I L E M O R B V R G S I F T L N U S
V P A R A S I T I C E J L I A N A S X C
W L P O L L I N A T I O N T Y H L H O A
L T P P J M U T U A L I S T I C C Z F M
C Y T I S R E V I D O I B K A T K W Y O
N K S S W X C C H L K T C Q Q S S T T U
P T B F N O Z L A N R U I D J I J N R F
P D E F O R E S T A T I O N S U E D O L
Y N T E X A E U E U E T R E U G C L T A
N W Q R X U Q O L V F I H F R L A S A G
O M I O Q M N B N I J T S E S A R Y U E
I S Q V M F Q D K H N Q M F G N N M Q O
T M Y I H A R B E Y S E A O A R I B E K
A L G B L M Y O S R A X Z U B U V I Q F
T N O R J Q C O W H S V C U Q T O O X X
E T E O E M Y T C R O S T J D T C R T C W
G A D H G O Z M V Y M R O E Q O E I A A
E V J A H K K R G F K T P R W N H C D C
V T U P P V F D F C A N O P Y I I M M U
V Z B H N G R T C D O M N I V O R E X N
```

Find and circle the following words in the puzzle below. Words may be forward, backward, horizontal, vertical, or diagonal.

```
CARNIVORE
OMNIVORE
LIANAS
BROMELIAD
BIODIVERSITY
VEGETATION
DEFORESTATION
CAMOUFLAGE
DIURNAL
NOCTURNAL
```
How does our climate here in Los Angeles compare with that of a typical rainforest?
Using the information provided, answer the questions to find out.

Average monthly climate statistics for Los Angeles and Manaus (Central Brazil):

<table>
<thead>
<tr>
<th>Los Angeles, CA</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature (°F)</td>
<td>68</td>
<td>69</td>
<td>70</td>
<td>73</td>
<td>74</td>
<td>78</td>
<td>83</td>
<td>84</td>
<td>83</td>
<td>79</td>
<td>73</td>
<td>68</td>
</tr>
<tr>
<td>Rainfall (mm)</td>
<td>79</td>
<td>99</td>
<td>62</td>
<td>23</td>
<td>6</td>
<td>2</td>
<td>0.3</td>
<td>1</td>
<td>6</td>
<td>17</td>
<td>26</td>
<td>59</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Manaus, Brazil</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature (°F)</td>
<td>88</td>
<td>88</td>
<td>88</td>
<td>88</td>
<td>88</td>
<td>88</td>
<td>90</td>
<td>91</td>
<td>91</td>
<td>91</td>
<td>91</td>
<td>90</td>
</tr>
<tr>
<td>Rainfall (mm)</td>
<td>264</td>
<td>262</td>
<td>298</td>
<td>283</td>
<td>204</td>
<td>103</td>
<td>67</td>
<td>46</td>
<td>63</td>
<td>111</td>
<td>161</td>
<td>220</td>
</tr>
</tbody>
</table>

On a separate sheet of paper using the figures in the table above, draw two climate graphs, one for Los Angeles and one for Manaus. Please show the rainfall as a bar graph and the temperature as a line graph. Don’t forget to label the graphs.

<table>
<thead>
<tr>
<th>Los Angeles</th>
<th>Manaus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Which is the hottest month?</td>
<td></td>
</tr>
<tr>
<td>How much rain falls in the wettest month?</td>
<td></td>
</tr>
<tr>
<td>What is the total rainfall?</td>
<td></td>
</tr>
<tr>
<td>Which is the coldest month?</td>
<td></td>
</tr>
<tr>
<td>How hot is the hottest month?</td>
<td></td>
</tr>
<tr>
<td>How cold is the coldest month?</td>
<td></td>
</tr>
<tr>
<td>What is the difference between the hottest and the coldest months?</td>
<td></td>
</tr>
</tbody>
</table>

**Activity Extension**
Would you prefer to live in Los Angeles or Manaus? Explain your answer.
Write a short paragraph explaining the differences between the climate in Los Angeles and in Central Brazil.
Dear Grandpa,

I am enjoying my trip to the Brazilian Rainforest.

Today, a group of us woke up early and put on our sunscreen and bug repellant and dressed in long sleeves and pants. We ventured out from our campsite and saw many unique plants and animals. On our hike we came across one of the biggest trees I had ever seen, a kapok tree. I recognized the tree from one of the stories that I read in school, “The Great Kapok Tree.” The tree grew from the ground to the highest part of the rainforest, and I could tell that many animals use the kapok tree for their home.

One of the coolest things I saw on our hike were the leaf-cutter ants. Bigger than the ants we have at home, these ants chewed off parts of leaves and then took them to their home. They walked in a line one after the other. I thought that they left a scent along the trail so that they could find their way back home; it was such an awesome thing to have seen.

Grandpa, you would not believe the beautiful colors that I saw in the rainforest. Orchids that we have to buy at stores grew in the wild, and the colors were amazing. The birds, especially the macaws, were not only bright and beautiful but also so loud.

I am anxious to show you all of my photographs and tell you about the interesting things I learned about the rainforest.

Love,
Sarah
Complete the picture using information about the Brazilian Rainforest that you found in Sarah’s letter.
Sarah was planning a visit to the Brazilian Rainforest. She wanted to learn more about the rainforest and the plants and animals that call the rainforest their home. She checked out a book from the library with the following content:

On which page would Sarah begin reading to learn about the types of plants that she might find in the Brazilian Rainforest?

page

Which chapter would Sarah read to learn more about jaguars, a rainforest animal?

chapter

Which chapter would Sarah read to learn more medicines that come from the rainforest?

chapter

On which page would Sarah begin reading to learn where in Brazil the rainforests are located?

page

In which chapter would Sarah find details about leaf-cutter ants?

chapter

How many chapters are in this book?


Give this book a title.


Draw a cover for this book on the back of this worksheet.