

Activity D
Tropical Rainforest Exhibit



1. Describe the climate of this building.

Answers could vary but should indicate that it is warm and humid

2. By the time you finish this exhibit, you should have listed below 5 animals that are endangered or vanishing in the wild. (List animals in the space provided)

a. *Sunbear* b. *Komodo dragon* c. *Bali Mynah* d. *White Cheek Gibbon* e. *Asian tapir*

3. Throughout the Tropics Trail, you will see various colors of **which** flower? *orchids*

Biodiversity Hotspots:

4. Explain what a Biodiversity Hotspot is: *A small area of land with a great diversity of unique plant and animal species that is under threat of destruction from human activity.*

5. List 3 biodiversity hotspots the Tropics Trail exhibits : *Madagascar, Indonesia, Columbia Choco, Brazil's Cerrado, Atlantic Forest Region, Central Chile. A list of the world's hotspots can be found at www.biodiversityhotspots.org*

6. When did the Madagascan Giant Tortoise become extinct? *750 years ago*

7. To which animals are lemurs closely related? *monkeys* and *apes*

8. **Two** of the built-in grooming tools of lemurs are *tooth comb (lower 6 teeth)* and *toilet claw (enlarged nail on 2nd toe)*.

9. The Ringtail society is dominated by *females*.

10. Loud barking calls are used by *Red ruffed* lemurs as a form of communication.

11. The Chevrotain mouse deer got its nickname because of its *small size* and *hoofed feet*.

12. What is the favorite food of the Asian Tricolor Squirrel? *figs*

13. *Sun bears* are the smallest bear species.

14. Sun bears get their name from the *yellow sun-shaped or golden or white* marking on their chests.

15. Name **3** other bear species found on earth: *Can be any of the following:*

a. *Brown bear, sloth bear* b. *Spectacled bear, polar bear* c. *Amer. Black bear, Giant Panda, Asiatic Black bear*

16. The largest living lizard is the Komodo monitor (dragon) and weighs over 200 lbs.
17. Where do young Komodo Dragons live exclusively after they hatch? up in the trees
18. One of the most endangered and rarest birds on earth is the Bali Mynah.
19. Is the Gibbon a monkey or an ape? ape
20. Infant gibbons are colored to match mom as a form of camouflage.
21. To which family do the otters belong? weasel
22. List two items that the Small-Clawed Otters eat: *any of the following:*
 - a. *crayfish, clams, frogs*
 - b. *snails, fish*
23. How do flamingoes get their color? pigments in the algae they eat
24. The only species of kangaroo to live in trees is the Matschie's Tree Kangaroo
25. The Tapir is not an anteater, rather plant eaters.
26. The Binturong belongs to the mongoose family.
27. What survival advantage would the black and white stripe serve the Tapir? *contrasting colors break up the body outline.*
28. The tapir's closest relatives are horses or rhinos.
29. How many coconuts can a person survive on per day? 7-10

NOW YOU ENTER THE CORAL REEF—YOU MUST WALK THROUGH QUICKLY TO FINISH THE REST OF THE TROPICS. YOU WILL HAVE A SEPARATE TIME SLOT TO VIEW THE CORAL REEF.

Day/Night Forest:

30. What enables the Clouded leopard to stalk so silently? retractable claws
31. One of the largest of over 150 species of fruit bats is the Indian Flying Fox with a wing span of 5 feet.
32. These bats play an important role in dispersing seeds and in pollination of flowers.

33. How does the Pygmy Loris protect its infant? applies a toxic saliva to its fur

34. What makes the fishing cat so unique? dives into water for its prey

Before exiting the day/night forest, you will come to a visual of the rainforest canopy on the wall. Answer the following questions:

35. List one organism (plant or animal) that lives in each of the canopy sections of the Rainforest:

- a. Treetops (Upper canopy): *answers will vary: leaves, buds, flowers, fruit, flying birds, small monkeys, snakes, squirrels, bats and insects.*
- b. Middle canopy: *climbing vines or climbing animals*
- c. Lower canopy: *answers will vary: rodents, reptiles, insects, large mammals, crabs, flatworms, frogs, tapir, etc...*

36. Compare and contrast two bird species that you observe in the open aviary section near the end of the Tropics Trail.

	Bird #1	Bird #2
Beak use: cracking seeds tearing, chisel...	<i>Answers will depend on bird observed</i>	<i>Answers will depend on bird observed</i>
Color/Markings —Be specific!		
Size —Compare to a \$ bill.		