

Name: _____

Section: _____

EVPP 110 Lecture - Fall 2002
National Zoo Extra Credit Project
Prepared by Danielle Derwin

The questions below are intended as an extra-credit project for students in EVPP 110 Lecture. This project will be worth up to a total of 15 addition points towards the course total. In order to complete the questions, each student who chooses to participate must go to the National Zoo in Washington, D.C. Above each question, or group of questions, is listed the heading that the zoo uses to identify the different signs around the zoo. I will give the basic directions for you too follow to answer the questions, but do be careful not to wander off the correct trail. Generally, if you stick by the display headings given and the directions, you should be able to find each question without any problems. The questions listed deal mostly with conservation problems and animal behavior.

This should be a fun exercise, and few of us take advantage of living so near to the Smithsonian's. So make a day trip out of this, and wander around the zoo and enjoy it!!

The questions will be due Friday, November 29, 2002, by 3:00pm. If you do not have Danielle Derwin as your lab professor, please make sure that your questions are in her mailbox located in 3042 Davis King Hall by the appointed date. If you do have her as a lab professor, you may hand it in during your lab period, or put in her mailbox.

Go down the Olmstead Walk toward the Cheetah Conservation Station. Note that everything on this list is on the Olmstead Walk.

Cheetah Conservation Station

Time is Running Out

1. *Where was the original range of the Cheetahs?*

2. *Where is it now?*

3. *By how much do scientists estimate the population has dropped by in the last century?*

4. *What are the seven steps to survival?*

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

Big Strides

5. *At top speed, how far can a cheetah cover in a single stride?*

What's Not Going on Here?

6. *Why is the zoo not mowing anymore?*

Today's Zoo

7. *How can a zoo-born animal be used?*

Now go down the Olmstead Walk and make a left toward the American Prairie

The Cycles of Fire

What burns to Survive?

8. *What does the fire do?*

9. *Without fire, what will happen to the prairie?*

Conservation Pioneer

10. *In the late 1800s, who lead the fight to save the Bison?*

Now go to the Bison Section of the American Prairie exhibit

11. *In 1800, there were an estimated _____ bison in North America.*

12. *By 1889, how many Bison remained?* _____

13. *How many Bison are today in North America?* _____

Go back to the Olmstead Walk and make right toward the Pandas.

Go into the Panda exhibit. Be sure to walk through the prairie dog exhibit!

Inside the Panda building:

14. *To save the giant pandas, what must we protect?* _____

15. *What else will be saved?* _____

Tian Tian and Mei Xiang Faqs

16. *Are the giant pandas bears?*

Back Outside

Giraffes

17. *What aren't giraffes endangered?*

Back to the Olmstead Walk

Camels

18. *There are two types of camels, _____ with two humps and _____ with one hump.*

Small Mammal House

Return to the Wild – The Golden Lion Tamarin Story

19. Only _____ to _____ survive in the wild.
20. What helped push the species to the edge of extinction?

Reptile House

Threats to Amphibians and Reptiles

21. What are the five threats?

1. _____
2. _____
3. _____
4. _____
5. _____

Back Outside

Victoria's Water Lily

22. These lilies can have a diameter of _____ and support the weight of a _____ pound person.

Think Tank

What's Size Got to Do With It?

23. What is the size of an animal's brain related to?

Chimpanzee – Tool Kits

24. What are four tool kits?

1. _____
2. _____
3. _____
4. _____

Simple Minds

25. List one of the four examples given in detail.

Understanding Animal Speech

What's All the Commotion?

26. Vervets have three distinctive calls. What are they and what is the reaction when the call is given?

1. _____
2. _____
3. _____

Scientists at Work – Language

27. Give two examples of animals listed.

Creature of Habit

28. *Who discovered that bees use the sun to navigate and what did he call this dance?*
_____ and the _____ dance.

Social Living

29. *What are the five costs and benefits for animals that live in groups?*

1. _____
2. _____
3. _____
4. _____
5. _____

Who's Fooling Whom?

30. *List four ways that chimps have been seen to deceive each other?*

1. _____
2. _____
3. _____
4. _____

Getting the Job Done Right

31. *List and discuss in detail one of the two ways that chimpanzees use to "clean" food.*

Measuring It

32. *Who was Clever Hans and what was he thought to do?*

Exceptional Abilities

Clarks Nut Crackers versus the Scrub Jay

33. *When tested, Clarks Nut Cracker could remember more hiding places than Scrub Jays. Is the Nut Cracker just smarter than the Scrub Jay? What do you think and why?*

Back outside.

Great Cats.

Our Last White Tiger

34. *What is wrong with the White Tiger species?*
