Intervention 2.3 ACD Human Impact on Ecosystem

Using pages 71-76 of the Integrated Science Book (purple octopus book), answer the following questions.

Habitat Destruction

1. From a human point of view, a _____ is where you live, go to school, and go to have fun.
2. _____ is the natural home or environment of an organism.
3. _____ is the complete disappearance of a species.

4. List some ways human cause habitat destruction:
A.   B.

Land Loss

5. Clearing land for agriculture and development is a major cause of _____ destruction.
6. Agriculture alone has cost the United States half of its _____ and almost all of its tall grass _____ .

Slash-and-Burn Agriculture

7. Other habitats that are being rapidly destroyed are _____, especially tropical rainforests.
8. The largest cause of deforestation today is known as _____ - _____ - _____ agriculture.
9. Explain what slash and burn agriculture means:

10. Slash and burn agriculture technique is used by over _____ million people in tropical forests throughout the world.
11. As a consequence of slash-and-burn agriculture, _____ are quickly lost from the soil.
12. _____ turns forest into a desert, where it is difficult for plants to grow.
13. At current rates of deforestation, all tropical forests will be gone by the year _____.

Non-native Species

14. These _____ - _____ species, being new to an area, may not have natural predators in the new habitat, which allows their populations to easily adapt and grow.
15. _____ species outcompete the native species for resources.
16. Sometimes invasive species are so successful at living in a certain habitat that the native species go _____.
17. Give three examples of invasive species that have been imported into the Great Lakes by cargo ships.
A.   B.   C.

18. Invasive species can:
A.   B.   C.

19. List other causes of habitat destruction:

A.

B.

C.

D.

E.

Examples of Habitat Destruction

Fill in the chart with examples of habitats that are being destroyed (pg. 74)

Habitat	Country/Body of water where it is being destroyed
a.	
b.	
c.	
d.	

Evidence vs. Inference

Look at the following picture (also on page 75). List an example of an evidence and in inference.

20. Evidence

21. Inference

Effects of Humans on a Specific Food Web

22. Read the story on pg. 76 about Borneo. List 5 species that were affected by the DDT and how they were affected.

A.

B.

C.

D.

E.