

San Diego Natural History Museum  
**Learning at the Exhibit**  
**Activity**

(Answers found on pages 42-43 in the Teacher's Guide)



Hint: There may be more than one answer per question.

**HOLE 1: Butterfly Life Cycle**

Name the four stages of *metamorphosis* in the order they occur.

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

**HOLE 2: Seed Dispersal**

Of the following animals, which is the most useful to the reproduction of plants?

- Cassowary     Wild pig     Eclectus parrot

**HOLE 3: Bat Sonar**

Write "T" for true or "F" for false next to the following statements:

- \_Bats are blind    \_Bats are flying rodents    \_Bats are the only true flying mammals

**HOLE 4: Food Chains**

Which of the following are causes of the "broken" food chain in the Northern forest ecosystem?

- Excessive hunting  
 Lack of rain or snow  
 Overharvesting of lumber  
 Global warming

**HOLE 5: Evolution of a Golfer**

The *Homo sapien* brain developed:

- 150,000 years ago     2.1 million years ago  
 10,000 years ago     30 years ago

### **HOLE 6: Backyard Explorer**

Which of the following activities make you a good neighbor to wildlife?

- Grow plants that provide food for wildlife
- Let your cat go outdoors to hunt
- Use commercially made fertilizer with strong chemicals
- Grow native plants

### **HOLE 7: Natural Selection**

Why did the finches that travelled to the Galapagos Islands evolve from having long beaks to having shorter beaks?

- Shorter beaks are more attractive
- Shorter beaks work better for cracking the plentiful seeds on the new island
- It is easier to fly with shorter beaks

### **HOLE 8: Predator and Prey**

Which of the following animals is not a predator?

- Housefly
- Toad
- Spider

### **HOLE 9: Dinosaur Extinction**

Scientists have different ideas about what happened to the dinosaurs.

Which are the most popular theories?

- An asteroid crashed to Earth and the dust it caused blocked the sun
- The dinosaurs' food chain was disrupted
- Gradual climate changes
- All of the above

### **HOLE 10: Recycling**

Which of the following are good ways to help reduce the amount of garbage you send to landfills?

- Choose larger size products with minimal packaging
- Buy products from recycled materials
- Use glass and ceramic plates and cups
- All of the above

### **HOLE 11: Spawning Salmon**

Salmon return to their birthplaces to mate and lay eggs. Which hazards make this more difficult?

- Brown and grizzly bears
- Dams
- Logging
- All of the above

### **HOLE 12: Landfills**

Americans dump the equivalent of more than 21 million shopping bags of full food into landfills every year. What is one of the best ways to reduce food waste?

- Eat all of your food
- Dump your food waste into the nearest river or stream
- Compost food scraps to make fertilizer
- None of the above

### **HOLE 13: Wild Corridors**

Which of the following best describes a "wild corridor"?

- Oil field
- Strips of forests linking two parks
- Suspension bridges
- Railroad tracks

### **HOLE 14: Bird Migration**

Which of the following challenges make it difficult for birds to move safely between their breeding and over-wintering grounds?

- Bad weather
- Pesticides
- Aircraft
- All of the above

### **HOLE 15: Water Pollution**

Which of the following is a source of non-point pollution?

- Farm fields
- Construction sites
- Acid rain
- Sewage pipe from a factory

### **HOLE 16: Alien Species**

Which of the following is an example of an alien species that has disrupted the natural balance of life?

- Brown tree snakes in Guam
- A toad introduced in Australia
- Micro-organisms brought by European explorers to the New World
- All of the above

### **HOLE 17: Population Threats**

Bears in an isolated population, such as a national park, are only threatened by human intervention.

- True
- False

### **HOLE 18: Rainforest Threats**

What are some of the ways to provide a sustainable future for the rainforests?

- Eco-tourism
- Discover plants that make useful medicine
- Butterfly farming
- All of the above