

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