



ANIMALS AT WORK

Animals Surviving in Extreme Environments

Animals at Work is an informative way to look at the lives of animals, particularly at a time when the hard work of survival is becoming even harder because of habitat destruction and climate change.

What did you learn?

QUESTIONS

1. A musk ox's outer coat is made up of ...
 - a. Rayon
 - b. Shaggy hair
 - c. Cotton
 - d. Guard hairs
2. The only animal to live on the open ice of Antarctica is the ...
 - a. Emperor penguin
 - b. Polar bear
 - c. Arctic hare
 - d. Arctic ground squirrel
3. An animal can lose water through ...
 - a. Sleeping
 - b. Walking
 - c. Breathing
 - d. Thinking
4. Deep underwater species make their light through a process called ...
 - a. Camouflage
 - b. Photosynthesis
 - c. Photography
 - d. Bioluminescence
5. What is *detritus*?
6. How many eyes does a jumping spider have?

TRUE OR FALSE?

- | | |
|---|---|
| _____ 1. Amphibians are cold-blooded. | _____ 4. Even though their world is completely dark, troglobites have good eyesight. |
| _____ 2. During hibernation, the animal's body temperature goes up. | _____ 5. The olm starts out with eyes, but eventually loses them. |
| _____ 3. The kangaroo rat doesn't have sweat glands. | _____ 6. A polar bear's skin is black, which helps them hold in as much heat as possible. |

ANSWERS

- 1. d. Guard hairs.** According to the section "Life in the Cold" on page 6, we know that "Its outer coat is made up of long, shaggy hairs, known as guard hairs." So, the correct answer is D.
- 2. a. Emperor penguin.** According to the section "Life in the Cold" on page 8, we know that "The emperor penguin is the only animal to live on the open ice of Antarctica." So, the correct answer is A.
- 3. c. Breathing.** According to the section "Desert Animals" on page 16, we know that "Animals need water for their bodies to function, but they can lose it through breathing, sweating, and urinating and defecating." So, the correct answer is C.
- 4. d. Bioluminescence.** According to the section "Creatures of the Deep Ocean" on page 26, we know that "Many make their own light through a chemical process known as bioluminescence." So, the correct answer is D.
5. According to page 46, *detritus* is "any collection of nonliving organic material."
6. According to page 4, a jumping spider has eight eyes—four big eyes facing forward and four smaller eyes on the top of its head.

TRUE OR FALSE? ANSWERS

- 1. True.** According to the section "Life in the Cold" on page 6, we know that "Amphibians are cold-blooded, meaning that they use outside sources of heat, usually the sun, to warm their bodies." So, the correct answer is True.
- 2. False.** According to the section "Life in the Cold" on page 10, we know that "During hibernation, the animal's body temperature goes down, and its heart rate and breathing slow." So, the correct answer is False.
- 3. True.** According to the section "Desert Animals" on page 16, we know that "The kangaroo rat, a rodent of the deserts of North and Central America, does not have sweat glands, so it loses little water through its skin." So, the correct answer is True.
- 4. False.** According to the section "Cave Dwellers" on page 38, we know that "Troglobites live in a completely dark world. Because of this, most have bad vision or are totally blind." So, the correct answer is False.
- 5. True.** According to the section "Cave Dwellers" on page 40, we know that "The olm is born with working eyes, but after four months the eyes stop growing and waste away, and are soon covered in skin." So, the correct answer is True.
- 6. True.** According to the section "Life in the Cold" on page 7, we know that "Their skin is black, so they can hold as much heat as possible from the sun." So, the correct answer is True.