

Adaptations Answer Key

Name: _____

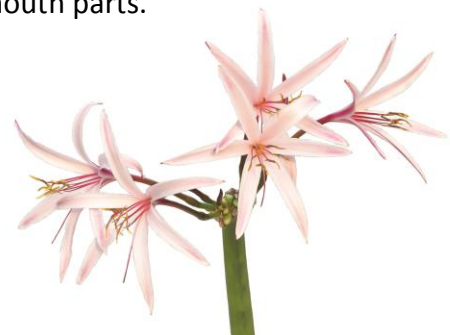
Answer each question (for multiple choice questions, circle your answer). Don't forget to put your name on the quiz.



1. Which is a physical adaptation of the American Alligator?
 - a. The female will bury about 30 eggs in a nest.
 - b. Alligators have nostrils on top of their skulls.**
 - c. Raccoons and humans may eat alligator eggs.
 - d. Alligators live in fresh or brackish, shallow water.
2. Which is a behavioral adaptation of the American Alligator?
 - a. Alligators have strong, powerful, clawed hind legs.
 - b. Alligators have eyes and nostrils on top of their skull.
 - c. Alligators have four limbs that allow movement on land and in water.
 - d. Alligators build a nest or mound that is 4 to 7 feet wide.**
3. Alligators will lie in wait for their food to swim or walk by so they can ambush attack it in surprise. Would this be a physical or behavioral adaptation?

Behavioral

4. Plants can have physical adaptations also. Which would be a physical adaptation of the Spider-lily plant?
 - a. Spider-lilies are pollinated by moths, mainly the hawk moth and sphinx moth.
 - b. Spider-lilies have specific habitat requirements that consist of very clean water.
 - c. Spider-lilies have flowers that produce a mild fragrance to attract moths.**
 - d. Spider-lilies are eaten by insects with piercing mouth parts.



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5. Which is a physical adaptation of the River Otter?

- a. Otters can swim up to 12 mph and can run 18 mph.
- b. Otters swim beneath ice for long periods of time.
- c. Otters have nostrils and ears that close when they go underwater.**
- d. Otters eat clams, blue crabs and fish.



6. River Otters have thick fur containing about 156,000 hairs per square inch. Would this be a physical or behavioral adaptation?

Physical

7. Which statement is a simile?

- a. The River Otter swims as it eats.
- b. The fur of a River Otter is thick and warm.
- c. The River Otter likes to swim underwater.
- d. The fur on a River Otter is like a human's winter coat.**

8. Look at the picture of the Bottle-nosed dolphin. Write a simile comparing the Bottle-nose dolphin to a household item.

The bottle-nosed dolphin's nose is like a bottle.

The bottle-nosed dolphin's skin is like a rubber ball.



9. Adaptations are body parts or behaviors that help an organism to survive in its environment.

10. An organism's adaptations determine the organism's niche in the community.