

Name _____ Date _____

Instructions: Read each question carefully and choose the best answer.

1. What colors can animals glow?
 - Ⓐ red
 - Ⓑ blue
 - Ⓒ yellow
 - Ⓓ all of the above
2. Why do some animals glow in the dark?
 - Ⓐ to escape from animals that want to eat them
 - Ⓑ to communicate with animals of the same species
 - Ⓒ to lure animals they want to eat
 - Ⓓ all of the above
3. A firefly uses its glow to communicate with other fireflies, but some fish use their glow to _____.
 - Ⓐ catch food
 - Ⓑ locate their homes
 - Ⓒ signal distress
 - Ⓓ all of the above
4. What is the main idea of the section titled, "The Science Behind the Glow"?
 - Ⓐ Special chemicals mix with oxygen to help animals glow.
 - Ⓑ Some animals are only able to glow during the day.
 - Ⓒ Scientists have studied glowing animals for years.
 - Ⓓ People can create glowing animals.
5. How are glowing animals like light bulbs?
 - Ⓐ They both use oxygen to power the light.
 - Ⓑ The light can be turned on or off in both.
 - Ⓒ No one understands how either of them produces light.
 - Ⓓ Light bulbs and animals glow the same color.

Quick Check continued on following page

Name _____ Date _____

6. Why do scientists call a certain depth of the ocean the “twilight zone”?

- Ⓐ Sunlight at this depth looks similar to twilight.
- Ⓑ Strange, mysterious things happen at this depth.
- Ⓒ No animals glow at this depth.
- Ⓓ All of the above

7. How is the “twilight zone” in an ocean different from the surface ocean zone?

- Ⓐ The twilight zone is deeper.
- Ⓑ The twilight zone has more glowing animals.
- Ⓒ The twilight zone does not have as much light.
- Ⓓ All of the above

8. The green bomber worm _____.

- Ⓐ is a worm that explodes
- Ⓑ releases balloons of skin filled with a glowing fluid
- Ⓒ uses its glow to find food
- Ⓓ all of the above

9. A predator eats _____.

- Ⓐ seaweed
- Ⓑ prey
- Ⓒ bacteria
- Ⓓ luciferase

10. What are **bacteria**?

- Ⓐ large luminescent animals
- Ⓑ small organisms
- Ⓒ fish found in deep water
- Ⓓ animals that can turn their lights on and off

11. **Extended Response:** If you were a scientist, why would you want to study bioluminescent animals?

12. **Extended Response:** Do you think researchers will discover more bioluminescent animals in the future? Explain why or why not.

Quick Check Answer Sheet

Glow-in-the-Dark Animals

Main Comprehension Skill: Compare and Contrast

1. Ⓓ Main Idea and Details
2. Ⓓ Cause and Effect
3. Ⓐ Compare and Contrast
4. Ⓐ Main Idea and Details
5. Ⓑ Compare and Contrast
6. Ⓐ Cause and Effect
7. Ⓓ Compare and Contrast
8. Ⓑ Main Idea and Details
9. Ⓑ Vocabulary
10. Ⓑ Vocabulary
11. Answers will vary. Example:
I would want to study these animals to find out all the different ways they use their light.
12. Answers will vary. Example:
I think they will find more bioluminescent animals in the future because many deep areas of the ocean have not been explored.