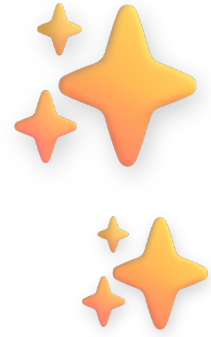




Read each passage and decide: did the author write to Persuade, Inform, or Entertain? Answer the questions in complete sentences.

Nature's Living Lights

Imagine walking through a dark forest at night, or diving deep into an ocean where sunlight never reaches. Suddenly, a tiny sparkle catches your eye, then another, and another! What you might be seeing is bioluminescence, one of nature's most magical light shows. It's not electricity or a trick of the light; it's living organisms creating their own glow!



Bioluminescence is the production and emission of light by a living organism. It happens when a chemical reaction takes place inside the organism's body. Usually, a molecule called luciferin reacts with oxygen, and an enzyme called luciferase helps speed up this reaction. This process releases energy in the form of light, often with very little heat.

Many different creatures use bioluminescence. Fireflies flash their lights to attract mates. Deep-sea anglerfish use a glowing lure to tempt prey in the dark depths. Some jellyfish and squid can suddenly light up to startle predators, giving them a chance to escape. Even certain fungi glow in the dark, possibly to attract insects that help spread their spores. Scientists are still studying all the ways and reasons for this amazing natural phenomenon.



COMPREHENSION QUESTIONS

(1) What is the MAIN purpose of this passage?



- A To persuade readers that bioluminescence is the most important natural phenomenon.
- B To inform readers about how bioluminescence works and which creatures use it.
- C To entertain readers with a fictional story about a glowing creature.
- D To convince people to protect glowing animals from harm.

(2) The author wrote this passage mainly to _____ the reader.

— continue writing on the lines below

(3) Which detail from the passage BEST shows the author's purpose?

- A "Imagine walking through a dark forest at night, or diving deep into an ocean where sunlight never reaches."
- B "Bioluminescence is the production and emission of light by a living organism."
- C "Suddenly, a tiny sparkle catches your eye, then another, and another!"
- D "Scientists are still studying all the ways and reasons for this amazing natural phenomenon."

(4) How do you know the author's purpose? Use TWO details from the passage to support your answer.



(5) What is the PRIMARY purpose of this passage? Is there a secondary purpose? Use details from the text to explain.

