

The brilliance of bioluminescence

1. The production and emission of light by living organisms is referred to as...
 - a. Phosphorescence
 - b. Chemiluminescence
 - c. Fluorescence
 - d. Bioluminescence
2. What is the name for the fleshy growth on the anglerfish that contains bioluminescent bacteria and serves as a lure to attract prey?
 - a. Blood pouch
 - b. Esca
 - c. Phaskolos pouch
 - d. Marsupium
3. The railroad worm, *Phrixothrix hirtus*, can illuminate its body in two colors. What are they?
 - a. Yellow and green
 - b. Red and blue
 - c. Blue and green
 - d. Red and green
4. The deep sea shrimp, *Acanthephyra purpurea*, spews a bioluminescent cloud when it feels threatened. What purpose does this cloud serve?
 - a. It frightens potential predators
 - b. It attracts the predators of its predators
 - c. All of the above
 - d. None of the above
5. Which of the following is not a component of the bioluminescent reaction in a firefly?
 - a. A lucifer
 - b. A luciferin
 - c. A luciferase

d. Oxygen