

Glow Stick Lab Activity

Name: _____ Date: _____

Instructions:

1. Activate three identical glow sticks at the same time.
2. Place one in hot water, one in room-temperature water, and one in ice water.
3. Observe brightness, reaction speed, and duration for 5 minutes.

Observations:

Reflection Questions:

a. Which glow stick was brightest and why?

b. Which glow stick lasted the longest and why?

Glow Stick Lab Activity

c. How does temperature affect chemical reactions?

d. How does this model luciferase speeding up bioluminescent reactions?

e. Why might deep-sea animals benefit from slow, steady glows?

f. Why might fireflies benefit from fast, bright flashes?
