

**ACADEMIC STANDARD: LIFE SCIENCES**

Energy in Cells  
(Benchmark B, Indicator 3b)

- 1) The process of \_\_\_\_\_ converts light energy to chemical energy.
- 2) \_\_\_\_\_ are organisms, such as plants, that use the sun as their source of energy. \_\_\_\_\_ are organisms, such as animals, that must eat other organisms as a source of energy.
- 3) Breaking down glucose to release energy is the process of \_\_\_\_\_.
- 4) Write an equation to represent the release of energy from ATP for use by a cell.

---

**WRITTEN RESPONSE QUESTION:**

- 5) Explain what happens to the energy released when an organism eats food.

**NAME:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Score:** \_\_\_\_\_