## **Respiration: An Overview**

- ATP is the energy currency of the cell. The hydrolysis of the high-energy bond in ATP can be coupled to endergonic reactions to drive them.
- ATP is generated through a process called **respiration**. Respiration involves capturing the energy stored in the bonds in glucose and storing that energy in the form of ATP.
- Respiration begins with a process called **glycolysis**. If oxygen is present, the end products of glycolysis will proceed to the **Krebs cycle**. If oxygen is not present, the end products will undergo **fermentation**.

