Exothermic and Endothermic Processes

Energy is either absorbed or released during chemical and physical changes. During an **endothermic** change, energy is absorbed from the surroundings. During an **exothermic** change, energy is released to the surroundings. Two different physical changes are described below. Read each description and decide if the change is exothermic or endothermic.

- 1. A plastic bottle of water is placed in a freezer. After several hours, the water has frozen solid.
- 2. A chef places a stick of solid butter in a saucepan, and heats the saucepan over low heat on a stove. After several minutes, the stick of butter has melted.