



# Sensation and Perception

Chapter 4

# Sensation and Perception

- Sensation: refers to the detection of physical energy by our sense organs
- Perception: the brain's interpretation of these raw sensory inputs
- Sensation is your window to the world
- **Perception** is interpreting what comes in your window



# Sensation

- First step in sensation is transduction
  - Process by which the nervous system converts an external stimulus into electrical signals within neurons
- A specific type of sense receptor transduces a specific stimulus
- Sensory adaptation
  - Activation is greatest when a stimulus is first detected

