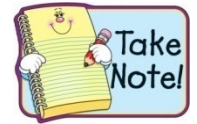
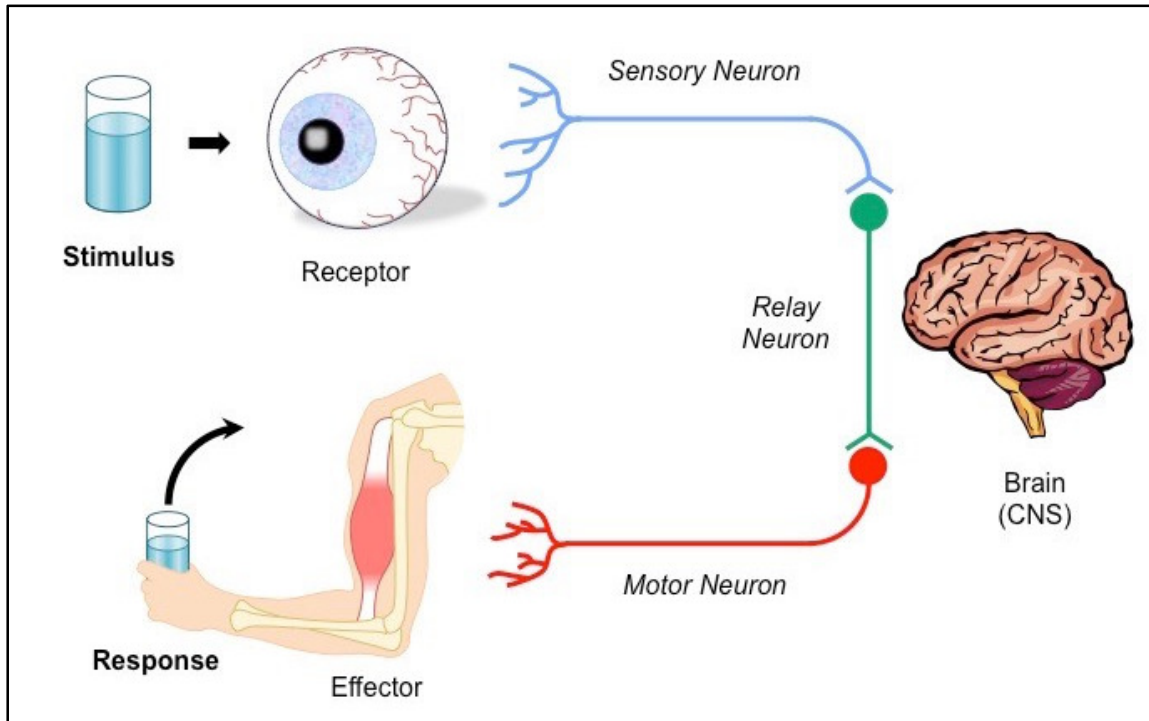




**READ ALOUD:** A **stimulus** is a signal sent by the brain stem through long nerve cells to the diaphragm to initiate a new breath. The carbon dioxide-sensing system in your brain works non-stop to send stimuli to your respiratory system commanding it to “*Breathe, breathe, breathe...*”



A stimulus is an interaction between some action in the environment and a **receptor** (cells that send messages to the brain). The receptors are part of your **central nervous system** – a complex collection of interacting organs and tissues made of cells called **neurons**.





*Discuss in your groups what kinds of things might be a stimulus to trigger an action. As a class, discuss different kinds of environmental stimuli and make a list in your notebooks.*



# TIME TO READ

## Class work Grade:

Partner read “**Stimulus and Response in Humans**” on pages 58 -61.

Discuss with your reading partner what you noticed about the diagrams. Focus your attention on parts of the brain and be sure that all vocabulary words are written in your notebook.

[https://www.google.com/search?q=crash+course+kids%2C+nervous+sysem&rlz=1C1CHBF\\_enUS846US846&oq=crash+course+kids%2C+nervous+sysem&aqs=chrome..69i57.8749j0j8&sourceid=chrome&ie=UTF-8](https://www.google.com/search?q=crash+course+kids%2C+nervous+sysem&rlz=1C1CHBF_enUS846US846&oq=crash+course+kids%2C+nervous+sysem&aqs=chrome..69i57.8749j0j8&sourceid=chrome&ie=UTF-8)

End session.