

Chamberlain University College of Nursing

BIOS 252: Anatomy and Physiology II

Professor Horn

Week 5: Nervous System Lab Report: Sensation

1. Record the information you learned about sensory receptors. (1 point each for a total of 5 points)

Type of Sensory receptor	Stimulus
Mechanoreceptor	Mechanoreceptors are somatosensory receptors that transmit external stimuli to intracellular signals via mechanically controlled ion channels.
Thermoreceptor	Thermoreceptors are specialized nerve cells capable of detecting temperature variations.
Photoreceptor	Photoreceptors are the cells in the retina that detect light. Their distinctive feature is the presence of large amounts of tightly packed membrane that contains the photopigment rhodopsin.
Chemoreceptor	Chemoreceptors are nerve cells that detect changes in the chemical composition of the blood and communicate with the brain to regulate cardiovascular and respiratory processes.