

CHAPTER 12	Major Sensory Receptors in the Human Body	BLM 12.1.1
HANDOUT		

Major Sensory Receptors in the Human Body

Category and type of receptor	Examples of receptor	Stimulus
Photoreceptors		
vision	rods and cones in the eye	visible light
Chemoreceptors		
taste	taste buds on the tongue	food particles in saliva
smell	olfactory receptors in the nose	odour molecules
internal senses	osmoreceptors in the hypothalamus	low blood volume
	receptors in the carotid artery and aorta	blood pH
Mechanoreceptors		
touch/pressure/pain	receptors in the skin	mechanical pressure
hearing	hair cells in the inner ear	sound waves
balance	hair cells in the inner ear	fluid movement
body position	proprioceptors in the muscles and tendons, and at the joints	muscle contraction, stretching, and movement
Thermoreceptors		
temperature	heat and cold receptors in the skin	change in radiant energy