## **READING NOTES CHAPTER 12: SENSES**

Na	Name	
Pe	eriod	Due date
Introduction (p. 444)		
All senses, whether we are talking about general senses (touch special senses (sight, sound, smell, taste), work in basically the are structures that collect information from the envi is a special membrane to gather that information, but essential message to the brain is the same.	e same wa ronment.	ay. Sensory Sometimes there
There are 5 types of receptors to register a stimulus. For each, of how they work/what they register:	, provide	a brief description
Chemoreceptors:		
Nociceptors:		
Thermoreceptors:		
Mechanoreceptors: Proprio –		
Baro –		
Stretch –		
Photoreceptors:		
If a receptor belongs to a <b>peripheral nerve</b> , that impulse is the <b>nervous system</b> where it is analyzed and interpreted in the bra a sensation forms, the cerebrum interprets it to seem to come for stimulated. This is called because it allows you to the original source. Because all of the impulses conducted alike, what we interpret from the stimulus depends on which receives the impulse. This can serve to explain why many diffuse interpreted in the same way. For example heat, cold, or prebecause the same part of the brain interprets the resulting impulse.	nin. At the room the room the ser egion of the ferent typessure is a	ne same time that receptors being the sensation back nsory fibers are the cerebrum es of stimulus can always the same
The brain must the sensory input it receives or it everything coming in. Therefore it has the ability to ignore un continuing and unchanging – stimuli. This is called occurs, a sensation will only happen if the strength of the stimulation.	importan	t – or even Once this

## General senses (pages 446 - 450)

These types of senses can be divided into 3 groups. For each, describe how they work and list examples of what causes them to respond:

**Exterorecptive:** 

Touch and pressure -

Temperature -

Pain

**Visceroreceptive:** 

**Proprioreceptive:** 

Be sure to read about synesthesia on page 452!

Special senses (pages 452 - 482)

You will receive handouts for the eye and ear diagrams. Use pages 457 and 458 to label the components of the ear diagram and page 471 for the eye diagram. Then use the indicated pages to describe the nature of the disorder of the eye and ear (in anatomical terms) and how to treat them (if possible):

Sight: Hearing

Color-blindness (p. 444) Prolonged-stimulus deafness

Hyperopia (p. 477) Sensorineural deafness (p. 465)

Myopia (p. 477) Tinnitus (p. 482)

Amblyopia

Strabismus (p. 470)

Astigmatism (p. 477)

Presbyopia (p. 482)