

Sensory, Motor, and Integrative Systems  
Chapter 16 - Study Guide  
Tortora & Derrickson

1. What is the function of a sensory receptor? Why are they described as transducers?
2. What types of stimulus activate receptors?
3. What is the difference between general and special senses?
4. Where are proprioceptors located? What do they do? Where are proprioceptor's signals sent?
5. What is motor control?
6. What is the function of a muscle spindle? Where are they located?
7. How many neurons are needed to link the precentral gyrus to a skeletal muscle?
8. In motor control, what is the significance between intent and performance? What brain structure compares the intent and the performance?
9. What term describes a motor program within the spinal cord? Where are they located in the spinal cord?
10. What is a nociceptor? Where are they not located?
11. What type of chemicals can stimulate nociceptors? Where do these chemicals come from?
12. Is pain a good or bad sensation? Explain. (Think about neuropathy)
13. What is the difference between somatic and visceral pain?
14. What is an analgesic?