

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

**Note: Questions marked with a \* are low value questions / not on “hot list”**

1. What is the function of sensory receptor? Why are they said to be transducers?
2. What types of stimulus activate receptors?
3. What is the difference between general and special senses?
4. \* What do generator and receptor potentials have in common?
5. \* What is the difference between generator and receptor potentials?
6. Where do you find proprioceptors? What do they do? Three types?
7. \* What are the three somatosensory projection pathways?
8. How many neurons are needed to link the precentral gyrus to a skeletal muscle?
9. What is motor control?
10. \* What term describes a motor program within the spinal cord? Where are they located in the spinal cord?
11. What is the function of a muscle spindle? Where are they located?
12. What is a nociceptor and where are they not located?
13. \* Is pain a good or bad sensation? Explain. (Hint: neuropathy) What is the difference between somatic and visceral pain?
14. \* What chemicals stimulate nociceptors? Where do these chemicals come from?
15. \* What is an analgesic? Examples: