

**Practice questions:
General Senses**

Key: a. Chemoreceptor b. Mechanoreceptor c. Nociceptor d. Thermoreceptor

1. ___ If a receptor generates an action potential when it is moved or bent, the receptor belongs to which receptor category?
2. ___ Which receptor generates an action potential when it is exposed to changes in the concentration of nutrient molecules and/or blood gases (i.e. CO₂)?
3. ___ Which receptor generates an action potential in response to a variety of **extreme** stimuli?
4. ___ Root hair plexuses and Merkel's discs are categorized as this type of receptor.
5. ___ Which receptor would not be found in the skin?

**Key: a. Golgi tendon organ b. Muscle spindle c. Pacinian corpuscle
d. pressoreceptor e. Meisner's corpuscle and root hair plexus f. both A&B**

6. ___ Which receptor(s), found in the walls of major blood vessels would detect change in the speed and volume of blood?
7. ___ Which receptor(s) detects pressure within the skin?
8. ___ Which receptor(s) detects light touch?
9. ___ Which receptor(s) is a proprioceptor?
10. ___ Which receptor (s) detects stretch within muscle tissue?

Answers: 1. (B) 2. (A) 3. (C) 4. (B) 5. (A) 6. (D) 7. (C) 8. (E) 9. (F) 10. (B)
