# **Lab 5: Sensory system**

## **Pre-Lab Report (5 pts)**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer these questions BEFORE you come to your laboratory session. All answers can be found in your physiology lab manual. By doing this prelab, you will have a better understanding of the physiological concepts of this exercise. Use these questions as a study guide when preparing for any quizzes or test.

1. Describe the functions of sensory receptors.
2. What is the name of the sensory receptors that respond to vibration, sound, balance and equilibrium?
3. What part of the brain does most of the signals travel first?
4. In frequency coding, a stronger stimulus results in \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (smaller, larger) receptor potential. In population coding, a stronger stimulus activates, a \_\_\_\_\_\_\_\_\_ (fewer, greater) number of receptors.
5. Explain olfactory fatigue.