# **Lab 5: Sensory system**

## **Post-Lab Report: Sensory System (15 points)**

Name(s) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Based on the data obtained from Table 1, what assumptions can you make regarding receptor densities in the fingertips, back of the neck, mid-calf, and palm? (2 pts)
2. Why do some areas of the body have higher receptor densities than others? (2 pts)
3. Based on the wooden dowel tapping activity, does this activity demonstrate a limitation of your sense of touch or a limitation of your perception of your sense of touch? Explain. (2 pts)
4. How many marbles do you feel when your fingers are crossed? Explain (2 pts)
5. Explain how the Aristotle illusion and the tapping activity relate to one another. For example, do they indicate a limitation in your sense of touch or in your perception of it? (1 pt.)
6. When you completed Activity 2A: blind spot, when the face disappears, what do you see in its place? Why do you think this occurs? (1 pt.)
7. Explain why you saw the colors that appeared in the afterimages you observe after looking at each King card. (1 pt.)
8. When you completed Activity 2C: Benham’s Disk, what did you observe while watching the spinning disk? Why do you think this occurs? (1 pt.)
9. In the Smell Activity and using your data, explain what occurred to your sense of smell during this activity. (1 pt.)
10. In the Taste Activity and based on the information given by your teacher, how do preconceptions affect the perceptions of sensory stimuli? (1 pt.)