Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Sensation Lab**

**Directions:** This activity in intended as a review activity, covering some of the basic biological components or the chapter as well and concepts involved with various senses. Log onto the following website, hosted by the BBC: <http://www.bbc.co.uk/science/humanbody/body/interactives/senseschallenge/senses.swf>

When asked if you have sound on your computer, click on “No.”

1. After doing challenge #1, click on the explanation. Why do optical illusions occur?
2. For challenge #3, explain what is happening in this illusion.
3. Explain shadow compensation in challenge #5.
4. Explain what is occurring in challenge #6.
5. How does our past experience impact how we process information (challenge #7)?
6. Why do many people have difficulty finding the change in the image in question #9?
7. Why do chili peppers taste hot (challenge #12)?
8. Why are supertasters more sensitive to taste than others (challenge #13)?
9. How is the intensity of sound measured? What impacts the loudness we perceive (challenge #15)?
10. Explain why smells are often linked to memories (challenge #20).

**Credit**: Laura Brandt & Stephanie Neuberger “Activity 12” in *Teaching Tips for General Psychology*.