Anatomy & Physiology Name:

Introduction to Special Senses Web Quest

Taste

Go to the following Web site: <https://www.wisc-online.com/learn/natural-science/life-science/ap14104/the-sense-of-taste>

1.Define the following terms:

Taste Bud:

Papillae:

2.Draw and label the taste bud and explain its structure and how it reflects function. How does a taste bud receive the chemical stimulus?

3.Approximately, how many taste buds does a tongue have?

4.Sketch a picture of a tongue and label the primary taste sensations.

5. How many taste cells do each taste bud have?

Smell

<http://www.biology-pages.info/O/Olfaction.html>

1. Sketch the sequence of events that an odorant triggers.

2. List 4 examples of GPCRs.

3. How can one kind of cell enable us to discriminate among so many different odors?

Now go here: <http://www.leffingwell.com/olfaction.htm>

4. What are some functions of smell?

Now go here: <https://www.sciencedaily.com/terms/body_odor.htm>

5. What is bromhidrosis? What causes it?

Vision

<http://www.biology-pages.info/V/Vision.html>

1. Sketch an eyeball and label the important parts.

2. What is the blind spot?

3. What is a cataract?

4. Distinguish between rods and cones.

5. How is color-blindness inherited?

Hearing

Go here: <http://health.howstuffworks.com/human-body/systems/ear/hearing.htm>

And follow the links to read through the article.

1. What is the pinna?

2. Sketch an ear and label the main parts.

3. What does the ear drum do?

4. What is the Organ of Corti?

5. What do the Semi-circular canals regulate?

Equilibrium

<http://www.exrx.net/ExInfo/Balance.html>

1. Distinguish between balance, equilibrium, and stability.

2. Describe an exercise designed to improve balance.