

Day 109

Review questions

Introduction

1. What are sensory receptors?
2. List the five general categories of sensory receptors.
 - a.
 - b.
 - c.
 - d.
 - e.
3. Which category of sensory receptors are sensitive to touch, sound, and motion?

Vision

4. Which sentence(s) is/are true about the structures of the eye.
 - a. Light enters the eye through the cornea.
 - b. The anterior chamber is filled with vitreous humor.
 - c. The pupil changes in size to let more or less light enter the eye.
 - d. The lens focuses light on the retina.
5. Is the following sentence true or false?
The function of the iris is to adjust the size of the pupil.
6. Where are the photoreceptors located in the eye?
7. What do photoreceptors do?
8. Is the following sentence true or false?
Cones are extremely sensitive to light, but they do not distinguish different colors.
9. How do impulses travel from the eyes to the brain?

Hearing and Balance

10. List the two sensory functions of the ear.
 - a.
 - b.

Smell and Taste

11. Is the following sentence true or false?
Your sense of smell is actually an ability to detect pressure.
12. How does the body detect smell?
13. Is the following sentence true or false?
Much of what we commonly call the "taste" of food and drink is actually smell.
14. The sense organs that detect taste are the _____.
15. List the four different categories of tastes.
 - a.
 - b.
 - c.

d.

Touch and Related Senses

16. What is the largest sense organ?

17. Is the following sentence true or false?

The skin contains sensory receptors that respond to temperature, touch, and pain.

18. Which letter of each choice that is true about the sense of touch.

- a. Unlike the other senses, the sense of touch is not found in one particular place.
- b. All parts of the body are equally sensitive to touch.
- c. The greatest density of touch receptors is found on the arms and legs.
- d. Touch is detected by mechanoreceptors.

19. Where is the greatest density of touch receptors found on the body?

20. Discuss the role of hair in each of the 5 senses.

21. Complete the following chart showing 9 types of sensory receptors:

Type of receptor	Simulus	Location of receptor in body
Pain		
Thermoreceptor		
Chemoreceptor		
Mechanoreceptor		
Meissner's corpuscles		
Pacinian corpuscles		
Ruffini corpuscles		
baroreceptors		
proprioceptors		