Structure and Function in Living Systems Sensing the Environment Use Chapter 17, Section 2 of your textbook to answer the questions be		Name: Period: <i>w</i> .	
Sense of Sight (p.536)			
1. Your eyes are like a	, because they both re-	ceive visible light.	
2. The	is a clear membrane that protects the	eye.	
3. The	is the opening in the center of the eye		
4. The	_ is a layer of light-sensitive cells at the	back of the eye.	
5. A is	a special neuron that responds to light	energy. CoolClip5.com	
6. Your brain itself does not see light, but gets that it perceives as light.			
7. What kind of photoreceptors would you be using to see at night?			
8. What kind of photoreceptors would you be using to see colors during the day?			
Reacting to Light (p.537)			
9. What opening lets light in a. pupil b. retina	nto the eye? c. iris d. rods		
10. The	is a ring of muscle that controls the a	mount of light getting into the eye.	
11. If it is bright, your iris will make your pupil in diameter to keep too much light from getting in.			
12. If it is dark, your pupil will be in diameter to let more light in.			
Focusing the Light (p.537)			
13. The clear, curved material behind the iris is the, whi your eye.		, which bends light going into	
14. What happens when the lens focuses light in front of the retina? a. nearsightedness b. farsightedness c. blindness d. normal vision			
	e lens focuses light behind the retina? b. farsightedness c. blindness	d. normal vision	

turn over for more questions

Structure and Function in Living Systems Sensing the Environment Sense of Hearing (p.538)	Name: Period:		
16. Sounds are made by that create waves	of sound energy.		
Match the correct description with the correct term. Write the letter in the space provided.			
17. tube in the inner ear you must have to hear	a. eardrum		
18. part of the ear that funnels sound to the middle ear	b. outer ear		
19. thin membrane between the middle and the outer ear	c. cochlea		
The External Ear and Sound (p.539)			
20. What part of the ear gathers sound waves? a. cochlea b. eardrum c. inner ear d. external ear			
21. Some animals, like, can move their ears to figure out where a sound is coming from.			
Keeping Your Balance (p.539)			
22. Besides hearing, what do your ears enable you to do? a. breathe b. maintain balance c. regulate temperature d. see			
Sense of Taste (p.540) Match the correct description with the correct term. Write the letter in the space provided.			
23. are tiny bumps that cover the tongue	a. taste buds		
24. are contained in papillae	b. papillae		
25. are contained in taste buds	c. taste cells		
Sense of Smell (p.540)			
26. Receptors for smell are located on which of the following? a. olfactory cells b. hair cells c. taste cells d. retinal cells			
27. When you smell something, it is because	_ from that thing have entered your		
28. You get a sensation of when your taste	buds and olfactory cells work		

28. You get a sensation of \_\_\_\_\_\_ when your taste buds and olfactory cells work together.