

Scavenger Hunt 15.3 (7th)

Date _____

Last Name _____, First _____ per _____

Pre- read chapter 15.3, starting on page 614 and find the answers to the scavenger hunt clues.

1. What is the **title** of chapter 15.3? _____

2. List the 15 **key terms** in section 15.3 page 614

a. _____	i. _____
b. _____	j. _____
c. _____	k. _____
d. _____	l. _____
e. _____	m. _____
f. _____	n. _____
g. _____	
h. _____	

3. **California Standards Focus -2 Green Keys pg 614**
 - a. How do your _____ enable you to _____?
 - b. How do you _____ and maintain _____?

4. **Lab Zone Standards Warm up on page 614**
 - a. Do the "Can You See Everything with One Eye" activity. Complete the two standards focus questions.
 - i. What do you notice when you move the paper toward your face while staring at the X? _____
 - ii. What difference did you notice when you kept both eyes open? _____

5. What are the boys in the **picture on page 614** doing with their eyes? _____

6. What is the **red heading on page 615**? _____

7. What is the **blue heading on page 615**?
a. _____

8. Define the **highlighted words on page 615**
 - a. cornea _____
 - b. pupil _____
 - c. iris _____

9. **Green Key page 615**
 - a. What is the function of your eyes? _____

10. **Figure 11 “The Eye”**
- What kind of organ is the eye? _____
 - Interpret the diagram. What structure adjusts the size of the pupil? _____
11. What are the **3 blue headings on page 616?**
- _____
 - _____
 - _____
12. Define the **Highlighted words on pages 616**
- retina _____
 - cone cells _____
 - optic nerve _____
 - lens _____
 - rod cells _____
13. **LAB Zone Try This Activity “Working Together”**
- What materials do you need for this activity? _____
 - How does closing one eye affect your ability to judge distances? _____
14. **Figure 12 “Focusing the Lens”**
- What changes the shape of the lens in the eye? _____
 - What happens to the shape of the lens when the eye is seeing far away? _____
 - What happens to the shape of the lens when the eye is seeing close up? _____
15. **Figure 13 “How You See”**
- What are the blue and yellow structures shown in the upper right hand corner of this figure? _____ and _____
 - The diagram shows the eye looking at a red bird. What kind of image is formed on the retina? _____
16. What is the **red heading on page 618?**
- _____
17. What are the **blue headings on pages 618 and 619?**
- _____
 - _____
 - _____
 - _____
18. **Green Key on page 618**
- What kind of organ is the ear? _____
 - What stimulus do ears respond to? _____
 - What do ears convert sound wave to? _____

19. **Math Analyzing Data “Sound Intensity”**
- What unit is sound intensity or loudness measured in? _____
 - For every 10 decibel increase, how much does sound intensity increase? _____
 - How much louder is a 20 decibel sound than a 10 decibel sound? _____
 - What is the sound intensity in decibels of
 - a whisper? _____
 - normal talking _____
 - a rock concert _____
 - How much more intense is normal talking than a whisper? _____
 - Based on the graph, what sounds could be painful if you were exposed to them?

20. **Define the Highlighted words on pages 619**
- eardrum _____

 - hammer, anvil, and stirrup _____

 - cochlea _____

21. **Figure 15 “The Ear”**
- Explain how sound travels through the external ear, the middle ear, and the inner ear? _____

22. **LAB Zone Skills Activity “Making Models” page 619**
- If you were to try the skills activity for extra credit, what kind of model would you be making? _____
23. **What is the blue heading on page 620?**
- _____
24. **Green Key page 620**
- What controls your sense of balance? _____
25. Define the **Highlighted word on page 620**
- Semicircular canal _____

26. **Figure 16 “Balancing Act”**
- What enables the tight rope walker to keep his balance on the tight rope? _____

Now go back and read the chapter carefully. See if you can answer the questions in the section 15.3 assessment.