Name Human Biolo Laboratory E		ual Lab Report		
GENERAL S		nses		
		erimination Test		
icuvity 1. 1w	o i omi Disc	Body Location	Distance (mm)	1
		Forearm Back of the neck Index finger Back of the hand	Distance (mm)	
distan	.ce)?	the body has the gre	atest density of tactile re	•
b. Which	n location on	the body has the leas	st density of tactile rece	otors (largest distance)?
	do you think on with the l		greatest density has hig	her density than the
Activity 2: Aa		Hand	Sensation	
·	1		Sensation	
·	1	Hand Left	Sensation	
Explain y 	1	Hand Left	Sensation	
Explain y 	our results:	Hand Left	Sensation	
Explain y  SPECIAL VISION	our results:	Hand Left Right	Sensation	
Explain y  SPECIAL VISION	Tour results:  SENSES  Essection of S	Hand Left Right heep Eye	Sensation  as the most difficult to c	eut?
SPECIAL VISION Activity 3: Di	Tour results:  SENSES  Section of S  Which laye	Hand Left Right  heep Eye er of the sheep eye wa	as the most difficult to c	out?

Activity 4: Visual Acuity Test

	Visual Acuity			
Eye	Without Glasses	With Glasses		
Left				
Right				

Activity 5: Astigmatism Test

	Astigmatism			
Eye	Without Glasses	With Glasses		
Left				
Right				

Activity 6: Accommodation of Eye

Eye	Near-Point Distance (cm)
Left	
Right	

Compare your near-point distance to Table 7.2 in the lab manual:

- a. What age does your right eye test as?
- b. What age does your left eye test as?
- c. Is there any difference in age?

Activity	7.	Color	Vicion	Tost
ACHVIIV	/ .	$(\alpha \alpha \alpha \alpha r)$	VISION	IPXI

Number of	Your Response
Plate	(State What Number You See)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Do you have normal vision or red-green color blindness?

Activity 8: Photopupillary Reflex Test

Record your observations of the subject's pupil diameter: constricts (becomes smaller) or dilates (becomes larger).

	Diameter of Pupil
After Direct Light Exposure	
After Removal of Light	

Which is faster: constriction of the iris (pupil size becoming smaller) or dilation of the iris (pupil size becomes larger)?

Activity 9: Blind Spot Test

Eye	Distance (cm)
Left	
Right	

Is the distance of your blind spot in each eye about the same?

Activity 10: Auditory Acuity Test

Ear	Audible Distance (cm)
Left	
Right	

Is there any apparent difference between the two ears?

Activity 11: Sound Localization Test

Actual Location	Perceived Location
Directly below & behind head	
Directly behind head	
Directly above head	
Directly in front of head	
Directly on the right side of	
head	
Directly on left side of head	

Is there any apparent difference between the two ears?

Activity 12: Correlation between Sense of Taste and Smell

Attempt	Actual Life Saver Flavor	Guessed Flavor While Holding Nose	Guessed Flavor After Releasing Nose
1			
2			
3			
4			
5			

Based on your results, would you say that smell affects the flavor of the Life Saver candy? Activity 14: Lab Review 1. What is the middle layer of the skin? 2. What type of sensory receptor detects temperature? 3. In what layer of the skin are most cutaneous sensory receptors found? 4. What is the innermost layer of the eye that has cones and rods? 5. Which photoreceptor detects color vision? 6. What eye structure contains smooth muscle that controls the size of pupil? 7. Which humor is jelly-like and maintains eye shape? 8. What structure of the ear is responsible for transforming vibrations into nervous signals? 9. What structures of the ear are responsible for maintaining balance? 10. What is another term for eardrum?

11. In what structure are the five taste receptors clustered

together?