	1 Ahh
Earthworm Observation Lab	Names 1. Abby 2. Ethan
Read Squirmin' Herman and participate	in the classroom discussion.
Question: Do earthworms have a sense	
	the above question (a hypothesis must be testable)
Be extraordinarily gentle with your earth or "torture" it in any way. If you do, you towel on a clean pan.	nworm. Be sure to keep it moistened with water and DO NOT poke at it will get a 0 for this lab/assignment. You should put it on a moist paper
b. Locate the posterior (an	worm's normal behavior In begining he was very sactions that you see along the segments. us-end) and anterior (head-end) of the worm. Find the Clitellum-smooth be closest to the head end.
The an ter the Posterior 4. Measure your worm. How long	en the anterior and the posterior ends? Note is darker and mores more, work related to the light and doesn't more much, Geting work is it?
Was this hard to do?	S Explain he squimed very stretch
He's sretches and pul	
6. Turn your worm overwhat does	it do? tries to get over the right way
Study your earthworm's head. Do	fferent from the top? Aghter than his top the tries to Flip es it appear to have any sense organs, such as eyes, ears, nose or eable of sensing (Mark your predictions belowyes or no)
Light? yes Odor? No Touc	h? yes

Response to TOUCH

Place a dry paper towel on one side of your pan and a moist paper towel on the other. Stretch (GENTLY) the worm so that it lays across both towels. Observe the worm's response. Which direction does it move. Perform this 10 times (GENTLY) alternating where you place the head end so that half the time it lays on the moist to start, and half the time it lays on the dry to start. Record your observations below.

Head starts on dry	Response (moves towardwet OR dry
Trial 1	Dry (trying get out)
Trial 2	moves to moist
Trial 3	Dra
Trial 4	Dry
Trial 5	Dry turned a little
Head starts on wet	all moist
Trial 6	all moist
Trial 7	moist
Trial 8	all moist
Trial 9	moist
Trial 10	maist

9.	What conclu	usion do you d	raw abo	out wheth	ner or no	t an earthwo	rm can sens	se wetness o	or dryness?
٠,	The	Arofer	10	be	in	wet	not	gra	

10. Put your worm on half sandpaper and half newspaper. What does it do? Do this three times and record your results.

#1

#2

#3

NEWSDADER

sand paper

news paper

11. Touch the front end of the worm with a toothpick (GENTLY - do not penetrate its skin or harm it in any way). What does your worm do?

Touch the back end...what happens? He dosent mind it

Touch its sides. ...what happens?

tries to move away

Response to LIGHT

12. Push the damp paper towl together to make a cave like structure. Record what the worm does?
Stays in the same spot
13. Cover the top of your pan mostly with a piece of construction paper. Which side does the worm seem to move towards? (The area in the light or the area in the dark?)
moving towards the dark does
Moving towards the dark does 14. Using a flashlight, test your worm's sensitivity to light. Record what you did and what the worm's response was.
He goes to go under
the paper towl to get dark
Response to ODOR
15. Dip a cotton swab in vinegar. Wave it near the posterior end? What happens?
moves away does not like it
Wave it near the anterior end. What happens? record your observation. He does like the smell
What did your observation / experiments show about a worm's sense of smell, touch, and odor? Write a paragraph detailing what you learned.
We belied that it was senseitive to light
and touch but now we know he is
sensetive to odor too, we discover that hes
sensetive to odor too, we discover that hes dosent like light he tries to go to a dark
spot. We tired to see if he had a sense of

odor, he does, He doesn't like the sent of

vinager. We also discovered that he didn't

mind being touched on his sides. He did

mind being touched on his head and his rearend,

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