

# Hominid Lab Write-Up Rubric

Use this rubric to help you assemble and organize your lab write-up within your digital notebook (shared via OneNote). The whole write-up is worth a total of 60 points and must be completed by the announced deadline for full credit.

Section	Point Value	Description of Requirements
1) Title Page	1	Include an appropriate title of lab along with an image, your name, group members, date submitted, plus your science teacher and class period.
2) Purpose	2	In your own words, write 2 to 3 sentences that explain the point of the lab.
3) Materials	2	List the materials used during this lab.
4) Procedures	5	Describe how you measured or evaluated the features of the skulls. The traits must be described and the measurement techniques and values assigned for each measurement clearly defined. This may be a list of steps, but it should be written in complete sentences. Remember: you are a scientist and you must write your procedure so that others can repeat your steps. <b>MUST BE IN YOUR OWN WORDS.</b>
5) Data Table	5	Include your data table with all your measurements. The chart must list all of the specimens and the traits measured. Make sure to include units in the heading, where necessary.
6) Two graphs	8	Graph of <i>Cranium Volume</i> and graph of <i>Facial Slope</i> ; Neatly done with graph title and skull names legible.
7) Analysis Questions	15	<b>Minimum</b> 5 sentences for each response. Be thorough and detailed in your responses. This is where you explain your results and discuss what you think your data means.
8) Family Tree	10	Using Word drawing tools, create a family tree for the hominids you observed during this lab. Focus on your observations and measurements of the skulls and on your knowledge of evolution. Think about the skulls with similar features and their relatedness. Include a picture and the specimen name for each skull. You may collaborate with your group for ideas, but each student must create an original family tree.
9) Conclusion	10	At least one page, 1.5-spaced. Why is your family tree logical to you? What did you use to come to such a conclusion? Cite examples (make reference to particular skulls and measurements) that help to support the sequence of your family tree. Be sure to explain how the measurements of closely related skulls are similar or use measurements to explain why the specimens are different and/or not closely related. This must be an original discussion <b>IN YOUR OWN WORDS.</b>
Format	2	Write-up is formatted properly, using correct grammar and appropriate language. This includes the overall neatness and professionalism of your document.
<b>TOTAL</b>	<b>60</b>	

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

# Hominid Skull Data Table

Specimen Name	Fore-head	Chin	Sagittal Crest	Prognathism	Facial Slope (degrees)	Supra-orbital Ridge	Dental Arcade	Canines	Cranium L,W, H (cm)	Cranium Volume (cm <sup>3</sup> )	Genus (to be filled in later)
<b>Mrs. Girardi</b>									L = W = H =		
<b>Mr. Marton</b>									L = W = H =		
<b>Mr. Weir</b>									L = W = H =		
<b>Mrs. Parisi</b>									L = W = H =		
<b>Sra. Falconi</b>									L = W = H =		
<b>Mr. Good</b>									L = W = H =		
<b>Mr. Ellmaker</b>									L = W = H =		
<b>Mr. Felton</b>									L = W = H =		
<b>Miss Lewis</b>									L = W = H =		