

Physical Science

Assignment 1-4

Read section 1-4. Then, **based on the information in your textbook, answer the following questions :**

Name _____

Class Period _____

Date _____

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1. What is the **smallest** unit shown on the metric ruler in **Figure 1-20**?
2. What is the **largest** unit shown on the metric ruler in **Figure 1-20**?
3. In **Figure 1-20**, what is the length of the paper clip in **millimeters**?
4. In **Figure 1-20**, what is the length of the paper clip in **centimeters**?
5. On a triple-beam balance, what is the name of the part on which the object is placed?
6. On a triple-beam balance, what is the name of the **front** beam?
7. On a triple-beam balance, what is the name of the **middle** beam?
8. On a triple-beam balance, what is the name of the **back** beam?
9. Each segment on the **back** beam has a value of how many grams?
10. Each segment on the **middle** beam has a value of how many grams?
11. The segments on the **front** beam have values of?
 and

Please continue on the other side.

12. Describe the step-by-step procedure for measuring an object like a rock on a triple-beam balance.

a.	
b.	
c.	
d.	
e.	
f.	
d.	

13. According to the material in your science text, a **cubit** is...

14. According to the material in your science text, a **digit** is...

15. If you went to Pluto, your weight would change but your mass would not change. **Explain** why.

16. Show how you would calculate the volume of a brick with the following dimensions. **length = 14 cm, width = 8 cm, height = 6 cm.**

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