

# Qualitative and Quantitative Observations Activity

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Hour: \_\_\_\_\_

*Directions: To be successful in the activity you first need to be able to answer questions 1-5.*

1. What five senses are used to make observations?
2. What is the difference between a qualitative and a quantitative observation?
3. Does qualitative have to do with *words or numbers and a label*? \_\_\_\_\_
4. Does quantitative have to do with *words or numbers and a label*? \_\_\_\_\_
5. Identify each of the following observations as either qualitative (L) or quantitative (N).  
30 g \_\_\_\_\_      large \_\_\_\_\_      blue \_\_\_\_\_      heavy \_\_\_\_\_  
small \_\_\_\_\_      78°C \_\_\_\_\_      long \_\_\_\_\_      3.4 cm \_\_\_\_\_

*Directions: In groups, identify qualitative and quantitative observations about objects. Record the object's name and your qualitative and quantitative observations on this paper. Your goal is to have as many observations as possible.*

<b>Object Name:</b>	
<b>Qualitative Observations:</b>	<b>Quantitative Observations:</b>
<b>Total Qualitative:</b>	<b>Total Quantitative:</b>

<b>Object Name:</b>	
<b>Qualitative Observations:</b>	<b>Quantitative Observations:</b>
<b>Total Qualitative:</b>	<b>Total Quantitative:</b>

<b>Object Name:</b>	
<b>Qualitative Observations:</b>	<b>Quantitative Observations:</b>
Total Qualitative:	Total Quantitative:

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<b>Qualitative Observations:</b>	<b>Quantitative Observations:</b>
Total Qualitative:	Total Quantitative:

<b>Object Name:</b>	
<b>Qualitative Observations:</b>	<b>Quantitative Observations:</b>
Total Qualitative:	Total Quantitative:

# Teacher Information

**Directions for Use:** This short activity gives students a chance to review qualitative and quantitative observations and then practice identifying each type of observation with everyday objects. After dividing the class into six groups, the teacher will give each group a different object. Objects can be anything: a paperclip, a textbook, a ball, or Silly Putty. Student groups will spend about two minutes with each object, recording as many qualitative and quantitative observations as possible. After the two minutes, the students can pass the object to another group or the students can rotate around the room to the next object.

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Thanks again!

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