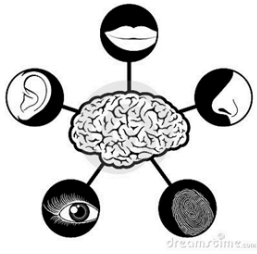



- 1. Qualitative and Quantitative Observations
- 2. Scientific Method

Qualitative and Quantitative Observations

Observations can (in general) be divided up into:

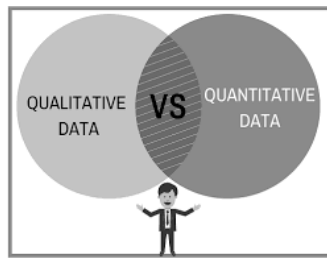
<p>Qualitative observations</p> <p>use your senses to observe the results.</p> 	<p>Quantitative observations</p> <p>are made with instruments such as rulers, balances, graduated cylinders, beakers, and thermometers. These results are measurable. <u>(numbers)</u></p> 
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Reflect back on your day so far. List 5 qualitative and quantitative observations.

Qualitative Observations	Quantitative Observations
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.

Next, choose an object on your desk. List 5 qualitative and quantitative observations.

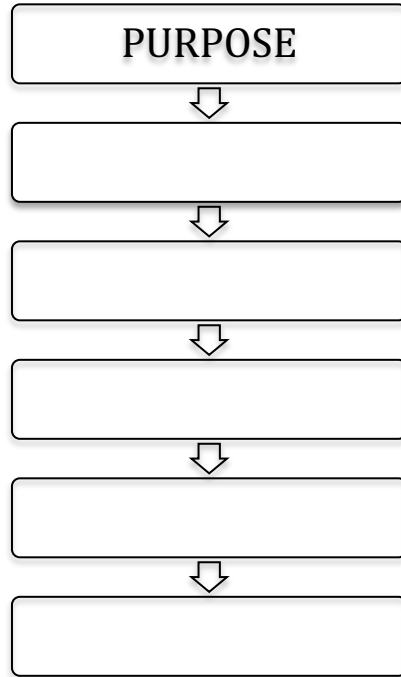
Qualitative Observations	Quantitative Observations
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.



Determine whether the following are qualitative or quantitative observations by circling the appropriate answer:

- | | |
|--------------------------------------|-----------------------------|
| 1. There are 5 holes in the box. | QUALitative or QUANTitative |
| 2. The liquid is in a red container. | QUALitative or QUANTitative |
| 3. The bracelet is blue. | QUALitative or QUANTitative |
| 4. The chemical reacts with water. | QUALitative or QUANTitative |
| 5. The time is 6:45pm. | QUALitative or QUANTitative |

Scientific Method



PURPOSE

-
-

RESEARCH

-
-

HYPOTHESIS

-
-

EXPERIMENT/PROCEDURE

-
-

ANALYSIS

-
-
-

CONCLUSION

-
-
-
-

Sometimes before we even start an experiment, we have to OBSERVE what is around us.