

Name: _____

Period: _____

Observations and Inferences

Qualitative observations use your senses to observe the results. These observations observe qualities such as color, description and shape.

Quantitative observations are made with instruments such as rulers and balances.

These observations include numbers and measurements.

Read the following examples and then decide if the example is qualitative (1) or quantitative (2).

1. It is light green in color. _____ (1 or 2)
2. It taste sour. _____ (1 or 2)
3. One leaf is 9 cm long. _____ (1 or 2)
4. It makes a loud pop sound. _____ (1 or 2)
5. The mass of the computer is 1 1/2 kg. _____ (1 or 2)
6. It smells sweet. _____ (1 or 2)
7. The temperature of the room increases by 8 degrees C. _____ (1 or 2)
8. It gets darker over a period of time. _____ (1 or 2)
9. The flower clusters in 3 blooms. _____ (1 or 2)
10. Feels very rough. _____ (1 or 2)

Inferences: Conclusions based on observations. Inferences try to explain the observations made. Inferences are your opinion on why something happened.

Examples:

Observation	Inferences
1. Amy is absent	Maybe she is sick
2.	
3.	
4.	
5.	
6.	