

Name \_\_\_\_\_

### Qualitative and Quantitative Observations

Read the following examples and then decide if each is either Qualitative (QL) or Quantitative (QNT).

\_\_\_\_\_ The candy was sour

\_\_\_\_\_ The bug was 5 cm long

\_\_\_\_\_ The flower is red

\_\_\_\_\_ The mass of the beaker was 122 g

\_\_\_\_\_ My fingernail is 2 cm long

\_\_\_\_\_ The slug was slimy

\_\_\_\_\_ That laptop is white

\_\_\_\_\_ She is 150 cm tall

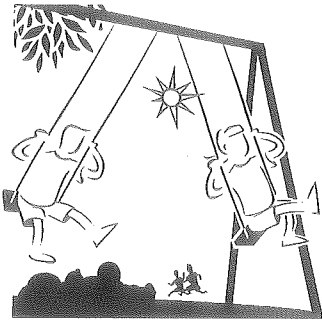
\_\_\_\_\_ His hair is black

\_\_\_\_\_ You have 3 sisters

- Write your own *qualitative* example:
- Write your own *quantitative* example:

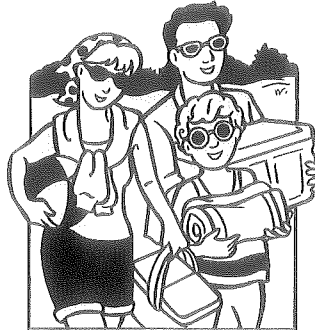
### Making Inferences

Look at the following pictures. Give one observation and one inference for each.



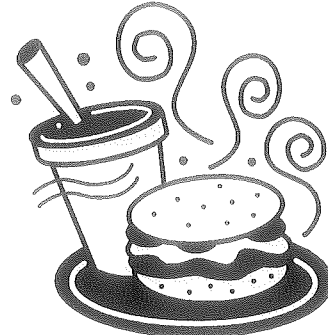
Obs:

Inf:



Obs:

Inf:



Obs:

Inf:

## Inferences and Observations Practice Worksheet

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

Label the following statements as either observation (O) or inference (I).

1. When I rang the doorbell, no one answered. \_\_\_\_\_
2. The hamburger was hot. \_\_\_\_\_
3. Jamal must be very popular. \_\_\_\_\_
4. The sun set at 7:18 p.m. \_\_\_\_\_
5. That sounded like a mean dog. \_\_\_\_\_
6. Corn must be her favorite vegetable because she ate a lot. \_\_\_\_\_
7. Those clouds look like it is going to rain. \_\_\_\_\_
8. The beaker contains 250 mL of water. \_\_\_\_\_
9. The bark on the birch tree was white. \_\_\_\_\_
10. A gas was formed when I mixed the liquid and solid. \_\_\_\_\_

Write the definition of each of the vocabulary words and then give examples of them.

11-12. Qualitative Observation:

Definition: \_\_\_\_\_

Examples: \_\_\_\_\_

13-14. Quantitative Observation:

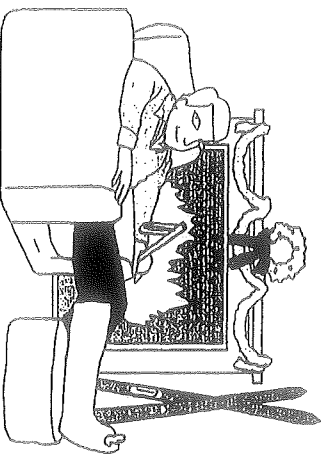
Definition: \_\_\_\_\_

Examples: \_\_\_\_\_

15-16. Inference:

Definition: \_\_\_\_\_

Example: \_\_\_\_\_



Look at the picture. List in the chart below three observations and three inferences that can be made from those observations. An example of each is given for you.

Observation	Inference
The man is sitting by a fireplace.	The man is warm.