

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

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

Choose 3

### HYPOTHESIS WORKSHEET

(3pts each) Write a hypothesis for each of the following research problems. Identify the dependent and independent variable for each.

1. What effect does high temperature have on radish germination?

\_\_\_\_\_

Independent variable:

\_\_\_\_\_

Dependent variable:

2. What effect does studying with music have on student test scores?

\_\_\_\_\_

Independent variable:

\_\_\_\_\_

Dependent variable:

3. What effect does food color have on the amount of food fish eat?

\_\_\_\_\_

Independent variable:

\_\_\_\_\_

Dependent variable:

4. What effect does light have on plant growth?

\_\_\_\_\_

Independent variable:

\_\_\_\_\_

Dependent variable:

5. What effect does smiling have on teacher giving no homework?

\_\_\_\_\_

Independent variable:

\_\_\_\_\_

Dependent variable:

Observations and Inferences Bio

Define the following words:

1. OBSERVATION

2. INFERENCE

Practice: Your task is to determine if the following are observations or inferences. Put an "O" in front the observation and an "I" in front of the inferences.

1. The temperature at noon was 78 degrees.
2. It is a very hot day.
3. The price of gasoline is rising.
4. Bill's car is very fast.
5. The test was very easy.
6. The candle weighed 71 grams.
7. The test tube felt hot.
8. The flowers did not grow due to the lack of sunshine.
9. The dimension of the card is 3" x 5".
10. The Amoeba moved toward the light.
11. The price of gasoline is unreasonable.
12. There were three blue rulers on the table.
13. With all of the clouds today, it will probably rain this afternoon.
14. The car is red.
15. The room is very quiet.
16. All Wilmot teachers are cool.



Using the picture above write 4 observations (2 Qualitative and 2 Quantitative) and 2 Inferences about the picture above.

Observations

Qualitative

1).

2).

Quantitative

1).

2).

Inferences

1).

2).