

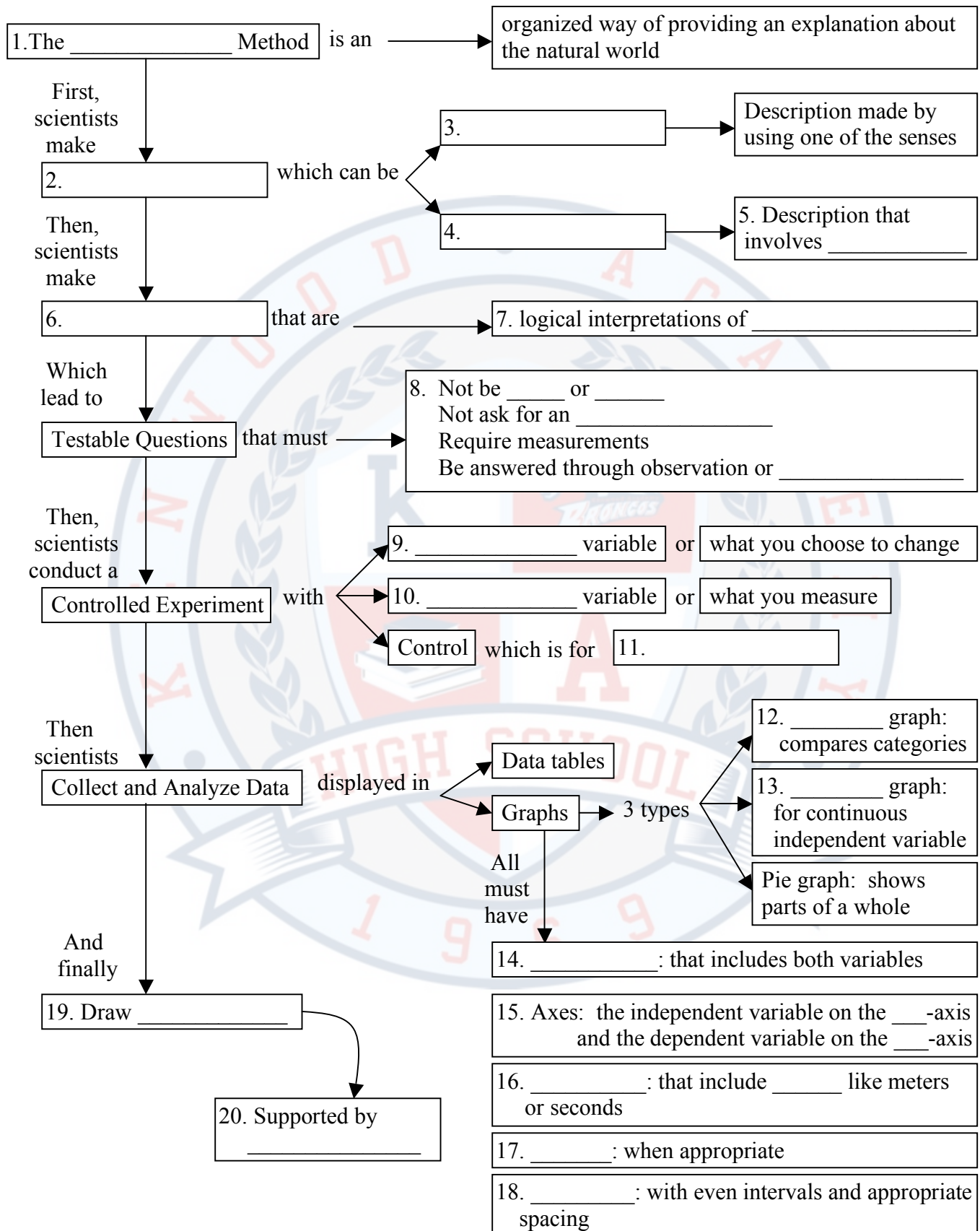
Name: \_\_\_\_\_

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

Period: \_\_\_\_\_

## Unit 1 Concept Map

Week # \_\_\_\_\_



## Unit 1 Assessment- Practice Questions

*Directions: Identify the following statements as qualitative, quantitative, or inference.*

1. The turtles in the pond like to sit in the sun.

\_\_\_\_\_

2. The six turtles in the pond are in the sun.

\_\_\_\_\_

3. The turtles in the pond sit quietly in the sun.

\_\_\_\_\_

*Directions: Use the data table to answer questions 4-7.*

Organism	Column A	Column B	Column C
Goat	4 limbs	Over 2 meters in length	white fur
Chicken	2 limbs	Under 2 meters in length	white, black, and brown feathers
Donkey	4 limbs	Over 2 meters in length	brown fur
Rooster	2 limbs	Under 2 meters in length	black, red, and white feathers

4. Which column(s) represent qualitative data?

\_\_\_\_\_

5. Which column(s) represent quantitative data?

\_\_\_\_\_

6. Which of the following statements is an inference based on the table?

- The goat and donkey are larger in length than the chicken and rooster.
- The donkeys were the easiest organisms to collect data on.
- The goats and chickens can be white in color.
- The rooster is the only organism with a red body.

7. From the data table, a scientist wants to conduct an experiment on a chicken. Which of the following is a testable question?

- Do chickens prefer to be black or brown?
- Why do chickens have 2 limbs?
- How does the color of the feathers affect the chicken's ability to avoid predators?
- Can the size of the chicken affect the speed at which they can run?

*Directions: Use the data table and answer questions 8-11.*

An experiment was conducted to determine the effect of fertilizer on the growth of plants. Scientists used fertilizer on Location A, but did not use fertilizer on Location B.

	Initial (cm)	Day 1 (cm)	Day 2 (cm)	Day 3 (cm)	Day 4 (cm)	Day 5 (cm)
Location A	5	5.6	5.9	6.3	6.5	6.8
Location B	5	5.8	6.1	6.2	6.8	7.9

8. What is the independent variable?

\_\_\_\_\_

9. What is the dependent variable?

\_\_\_\_\_

10. What is the purpose of Location A?

\_\_\_\_\_

11. What type of graph is most appropriate for the data?

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