

7th Scientific Thinking 1.1

Date _____

Last _____, First _____ per _____

1. What is **science all about**?
 - a. Being _____
 - b. Asking _____
 - c. Seeking _____
2. What is **science the study of**? _____
3. **Science skill** is learning how to do what? _____
4. List **5 specific science skills**.
 - a. _____
 - b. _____
 - c. _____
 - d. _____
 - e. _____
5. What is **observing**?
Observing is using your 5 _____ to gather _____
_____ your attention.
6. **Make an observation** of something in the room that involves life. Write it down. Then on the teacher's signal, go find a classmate to share your observation with. Add your classmate's observation to your list. Also record their first name. Repeat this process with different classmates until your teacher says stop.

Your Observation _____

Your Friends Name _____

Friends Observation _____

2nd Friends Name _____

2nd Friend's Observation _____

7. Explain the **two types of observations**
 - a. Quantitative _____
 - b. Qualitative _____
8. Give an **example of a quantitative** observation that involves life. _____

Give an **example of a qualitative** observation that involves life. _____

9. What is **inferring**?
Inferring is _____ and interpreting your _____
based on _____

10. What **inferences** can you make **about the photographs** the teacher shows you? _____

11. What is **predicting**?
To predict is to _____ what will happen based on _____

Study the tropical scene. Predict what might happen next. _____

12. What is **classifying**?
a. Classifying is _____ items that are _____ in
some way

13. Discuss the following critters with your group. bullfrog, bird, trout, tortoise, lucky the house cat, tuna, lion, booby, toad, and lizard. **Classify these critters** into at least three or more groups. Write a heading for each group.

14. What is **modeling**?
a. A model is a _____ of an _____ or _____ .
b. _____ can be used to _____ characteristics of things not
_____ observed.

15. Give an **example of a model**. _____

16. Watch the entire **video** before answering the following questions.

a. What were 3 important observations the scientists made when studying the ice man?
i. _____
ii. _____
iii. _____

b. What was the inference the scientist made concerning the death of the ice man?

c. What was the inference the scientists made concerning the occupation of the ice man? _____