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

**5 Kingdoms and Observation/Inference Review**

Explain the difference between a qualitative and quantitative observation.

Explain the difference between an observation and an inference.

Name the five kingdoms of living things and describe at least two specific descriptions that characterize them into each specific kingdom. \* Explain by using the five main descriptive factors of each kingdom; refer to your notes

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a.

b.

What is the only kingdom to have every single organism as prokaryotic?

What does it mean to be prokaryotic?

What are cilia? What are flagella? What are they used for? What is the main difference between them?

List 2 advantages to asexual reproduction:

1.

2.

List 2 disadvantages of sexual reproduction.

1.

2.

What is the difference between an autotrophic and heterotrophic organism? Give an example of each.

Why are viruses not considered to be a living thing?

What organisms belong to the most complex (overall) kingdom?

List and explain the 7 characteristics of living organisms

1.

2.

3.

4.

5.

6.

7.

Explain the two parts of an organism’s binomial nomenclature.