

SCI Unit 1 -Quiz 1 RETAKE FORM (Burnett)

Observations and System Schemas

1. What is the difference between an observation, an inference (opinion) and a prediction?

2. The class did an experiment where they observed a living organism in its natural habitat. The following list was created, which are observations (O) and which are inferences (I)?

- ___ 1. The organism frowned to show it did not like strangers.
- ___ 2. The organism is green with pink spots.
- ___ 3. The organism lives near other organisms.
- ___ 4. The organism moved away from us because it was scared.
- ___ 5. The organism made gurgling noises.
- ___ 6. The organism had four spines on its back.
- ___ 7. The organism has one blue eye and two green eyes.
- ___ 8. The organism moves really slow so he must be old.

2. List 3 observations and 3 non-observations (inferences) for the image below.



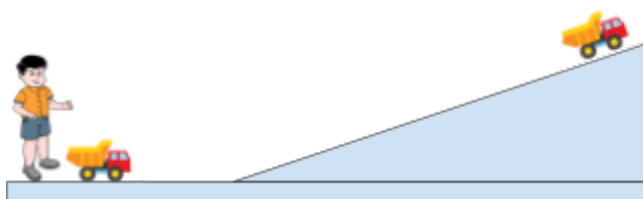
1.	1.
2.	2.
3.	3.

3. A child kicks a ball into the air.



Create a system schema for this example, explain your system of interest.

4. A toy truck is pushed so that it goes up a ramp, stops, and comes back down.



Create a system schema for this example, explain your system of interest.