

**Properties of Waves**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_**

**Subject: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Problem:***

What is the amplitude of a wave?

What is the frequency of a wave?

How do you know?

***Hypothesis***

If the period of a wave is T, then the frequency is the reciprocal of T.

***Materials***

* COSMOS Tool kit
* laptops

For procedures, students will plan and design their experiment with help from teacher input and reading materials.