Group Members: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Waves Virtual Lab \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

http://www.glencoe.com/sites/common\_assets/science/virtual\_labs/E05/E05.html \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Pre-lab Question: What are some characteristics of transverse waves?

(Illustrate them by drawing an example wave below)

Question 1 :How does the size of the ball on the plunger affect the amplitude of the waves?

Question 2 :What affect, if any, does increasing the speed of the plunger have on the frequency

of the waves?

Question 3 :What affect, if any, does increasing the speed of the plunger have on the

wavelength of the waves?

Question 4 :What is the relationship between the frequency and the wavelength of a wave?

Question 5 :What affect, if any, does frequency have on the amplitude of a wave?

Question 6 :What relationship exists between the amplitude of a wave and amount of

disturbance in the water?