Name: _____
Date: _____ Blk: _____

Slinky Waves- Lab

Investigation of wavelength, amplitude and frequency.

Procedure

Follow steps 1-5 on page 141 of the textbook, and answer the following questions.

Results

Draw and label (wavelength, crest, trough, amplitude, and frequency) for each of your results

A.

B.

C.

D.

Questions

1. How did the wavelength in the slinky change as it moved from side to side more quickly?

_____
_____

Name: _____
Date: _____ Blk: _____

2. How Can a low frequency wave sometimes have a large amplitude and sometimes a small amplitude? Explain.

_____
_____
_____

3. Draw and label a diagram showing a wave with high frequency, short wavelength, and large amplitude.

4. Draw and label a diagram showing a wave with low frequency, long wavelength, and small amplitude.

5. Circle the right answer

High frequency has a higher or lower energy

Low wavelength has a higher or lower energy