

Name:

Date:

Class:

What is a Wave? Pre-Assessment **Key**

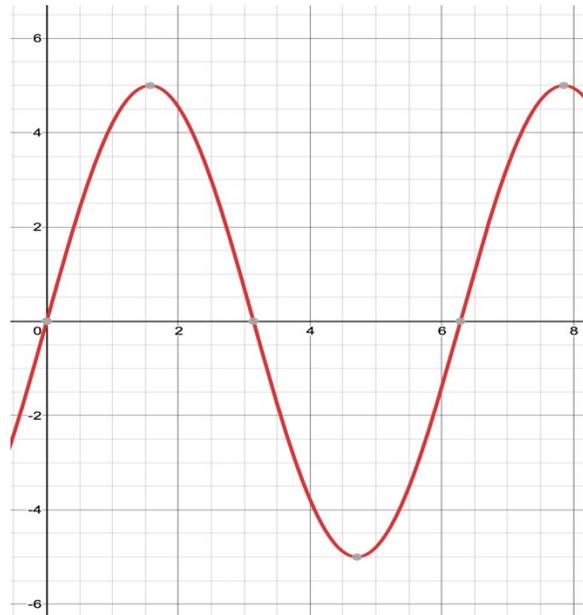
Directions

Answer the following questions the best you can. You are not expected to know the answers, and this assignment will not be graded.

1. List two examples of **waves**.

(This is open-ended—students may include some answers not listed here) ocean waves, hand waves, sound waves, light waves, radio waves, UV waves

2. What is the **amplitude** of the following sine wave?



The amplitude is 5.

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3. Describe the **frequency** of a wave and how increasing or decreasing the frequency affects a wave.

Increasing frequency = more peaks per second, shorter period

Decreasing frequency = less peaks per second, longer period

4. How does introducing a **negative** phase angle affect the graph of a sine wave?

Negative phase angle = move wave to the right