

Unit 08(B) Review (Waves)

- (g) wavelength

Name: _____

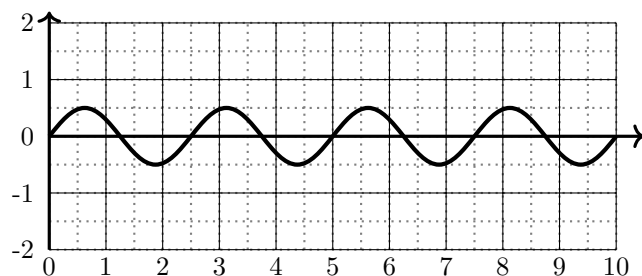
Date: _____

Period: _____

$$v = f\lambda$$

5. What is the only thing you can do to change the speed of a wave?
6. How are frequency and wavelength related?
7. You are floating in the ocean. The waves have an amplitude of 1.5 meters. The frequency with which you bob up and down is 0.2 Hz. How far apart are the waves if they are traveling at 3 m/s?

8. The wave below is traveling at 13 m/s. All measurements are in meters.



- (a) What kind of wave is this?
- (b) What is its amplitude?
- (c) What is the wavelength?
- (d) What is the frequency?