

Mechanical Waves and Sound Questions (Student)

1. A mechanical wave is:

2. Draw a transverse wave below and label the crest, trough, amplitude, and wavelength.

3. Draw a longitudinal wave below and label the compression, rarefaction, and wavelength.

4. Describe the difference between transverse waves and longitudinal waves.

5. a) What affects the shape of a sound wave? How?

b) What affects the amplitude of a sound wave? How?

c) What affects the wavelength of the sound wave? How?

6. a) Define the period of a wave:

b) Define the frequency of a wave:

7. What is the Universal Wave Equation?
