**Physics**

**Group quiz on waves**

Name

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1.What is the frequency of a wave with a period of 0.0150150 s? What is the period of a 100 Hz wave?

2. What is the velocity of a wave that has frequency of 120 Hz and a wavelength of 2.85 m?

3. What is the wavelength of a light wave (v = 3.00x108 m/s) with a frequency of 4.50x1014 Hz?

4. What is the frequency of a sound wave with a velocity of 343 m/s, and a wavelength of 24 cm?

5. A wave with a period of 0.125 s has a wavelength of 8.20 m. What is its velocity?