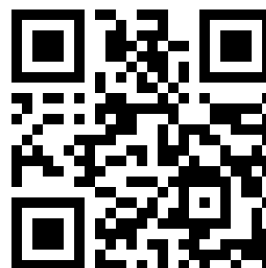


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Prep Assessment Wave Science Physical about Worksheet الملف

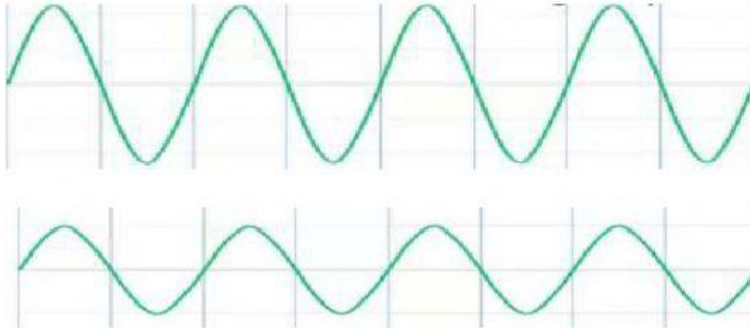
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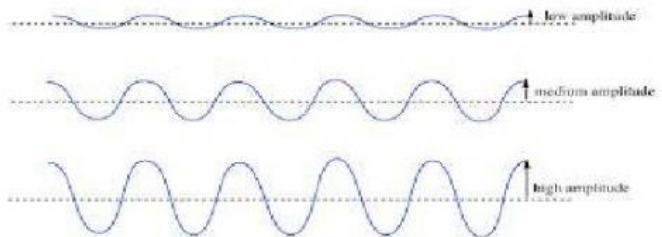
Physical Science Unit 6 Wave Assessment Prep

Analyze the following waves below:



1. Which statement accurately describe the waves in the picture above?

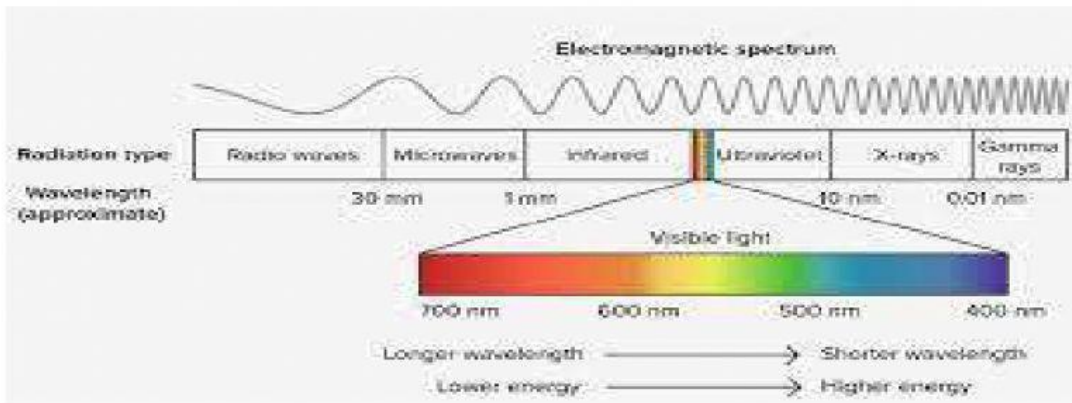
2. Which wave is carrying the most energy?



3. What happens to the wavelength of a wave as frequency increases? _____

4. What two factors cause waves to carry more energy? _____

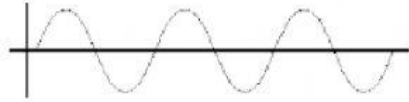
5. Fill in the blanks for the electromagnetic spectrum below:



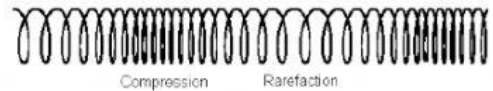
Created By: Chivas & Jordan Spivey

On the electromagnetic spectrum as the wavelength decreases, frequency _____ . As the wavelength _____, frequency decreases. _____ And _____ determine the amount of energy a wave is carrying, so the higher and shorter a wave is then the _____ the amplitude and the _____ the frequency As energy transfer decreases, the amplitude _____ causing a sound to get _____.

6. The following wave is an example of a _____



7. The following wave is an example of a _____



8. No matter what type of wave, ALL WAVES TRANSFER _____! THEY DO NOT TRANSFER _____

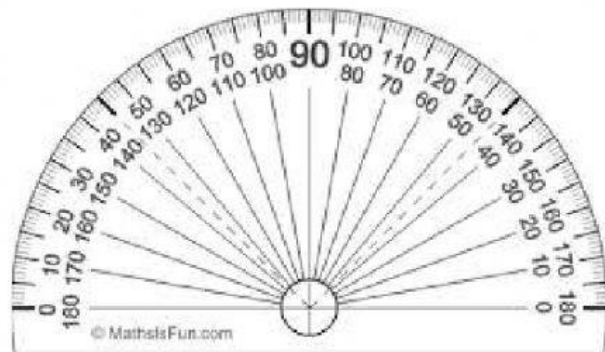
9. What is the difference between a mechanical wave and an electromagnetic wave?

10.

Mechanical Wave	Both	Electromagnetic Wave

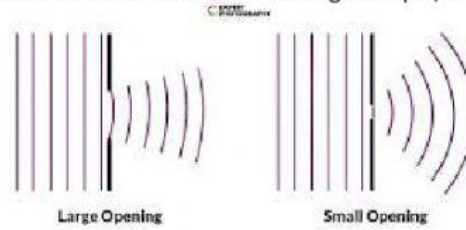
Carries energy	Longitudinal waves	Transverse waves	Can travel in a vacuum
Has a frequency	Fastest in solids	Slowest in gases	Fastest in gases
Slowest in solids	Sound waves	Require a medium	Do not require a medium

11. If a student points a light wave on the ground at a 50 degree angle, at what angle will the light wave reflect off of the ground?

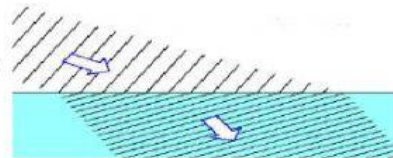


Created By: Chivas & Jordan Spivey

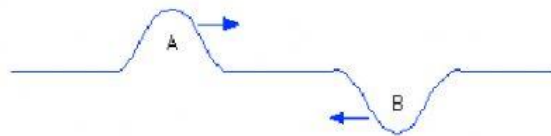
12. When a wave bends to get around or go between barriers like in the following example, it is this type of wave behavior....



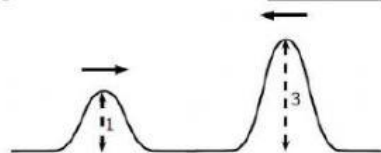
13. The following wave represents which wave behavior?



14. When the two following waves meet it would be



15. When the two following waves meet it would be _____ interference, and the resulting wave height would be _____.



16. This wave example represents which wave behavior?



17. When waves bend as they travel through a different medium it is called _____.

