

## Properties of Waves Quiz Review

1. What are the two types of waves?

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2. The material through which a mechanical wave travels through is called a \_\_\_\_\_.

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3. The medium can be all the following, except for:

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4. There are three types of mechanical waves, what are they?

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5. A mechanical wave whose particles travel perpendicular to the path of the wave is called:

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6. A mechanical wave whose particles travel parallel to the path of the wave is called:

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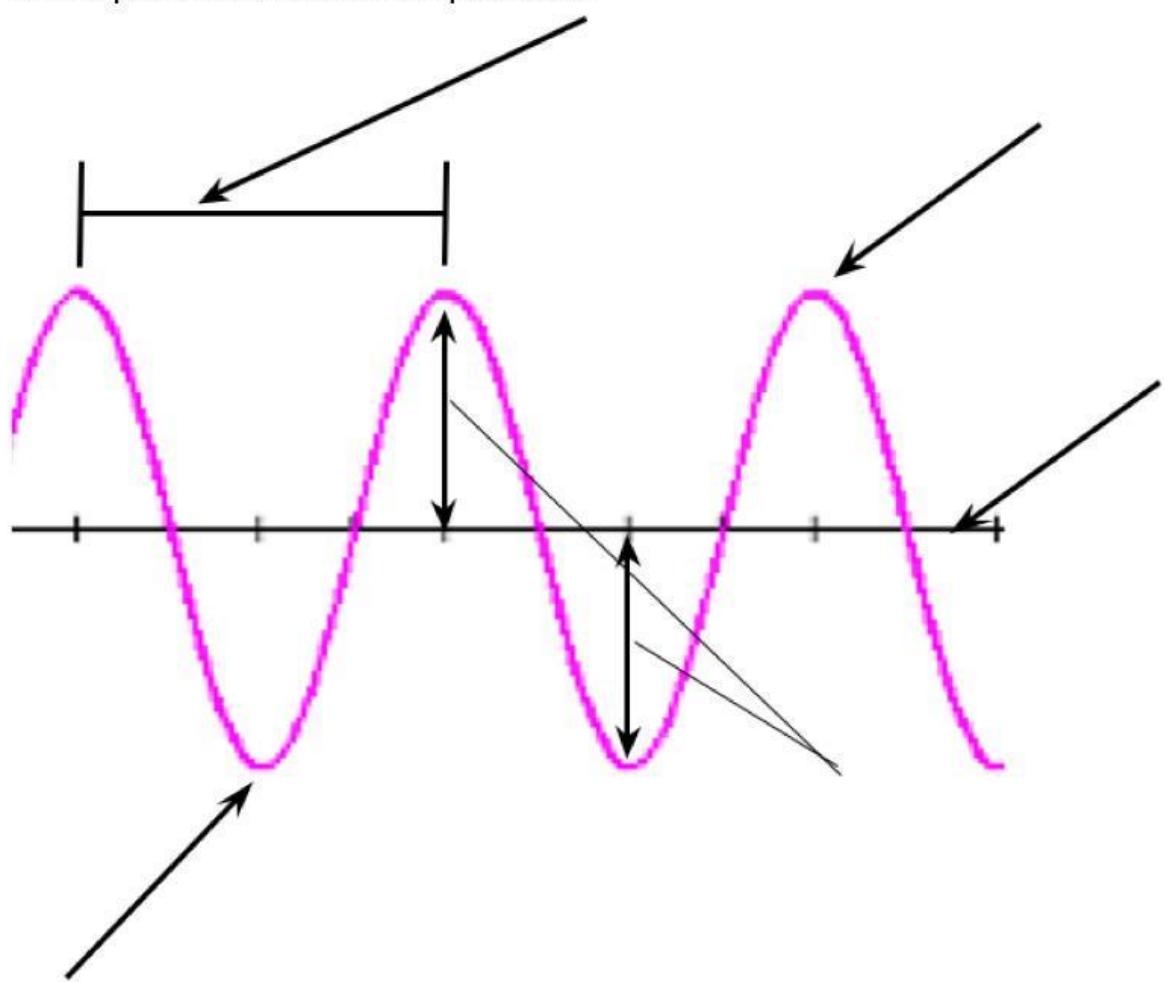
7. A mechanical wave whose particles travel both perpendicular parallel to the path of the wave is called:

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8. A wave that does not require a medium to travel is called:

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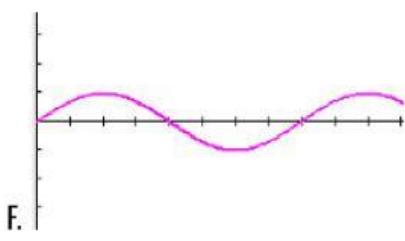
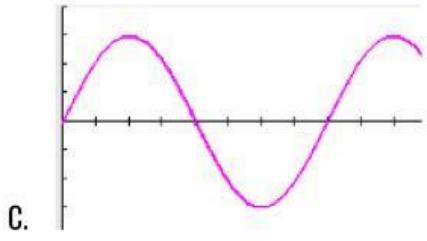
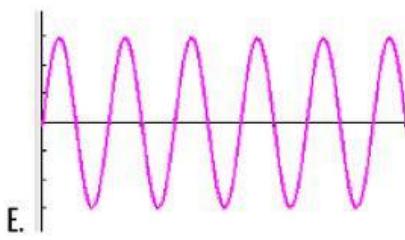
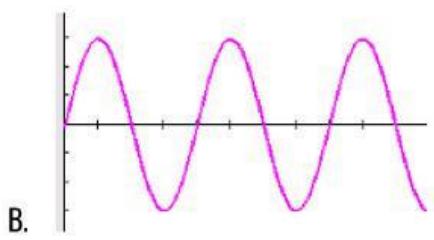
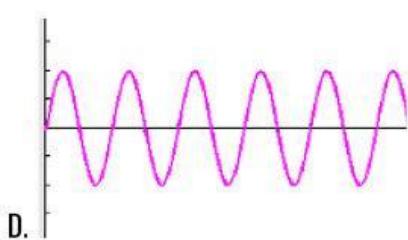
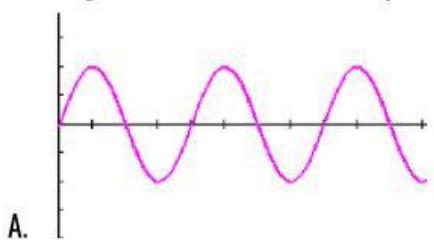
9. Label the parts of the transverse wave depicted below.



10. Finish this statement: The more energy a wave carries, the:

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Use the diagrams below to answer the questions that follow. All dimensions are the same.



11. Which waves are carrying the highest amount of energy?

12. If all the waves have the same speed, which waves have the highest frequency?

13. Which wave(s) has/have the longest wavelength?