

# Introduction to Waves Problems

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These questions relate to the activities and demonstrations about basic wave properties.

**Knowledge & Understanding:**

1. What is a wave?
2. Describe the two types of mechanical waves (include a basic diagram and state the direction of motion of the particles in the wave in relation to the direction of motion of the wave.
3. Describe how changing the tension in a medium (e.g. spring, rope, etc.) affects the speed at which a wave will travel through it.
4. What is meant by the amplitude of a wave (include a diagram)?
5. What affect does the amplitude of a wave have on the speed of a wave?

