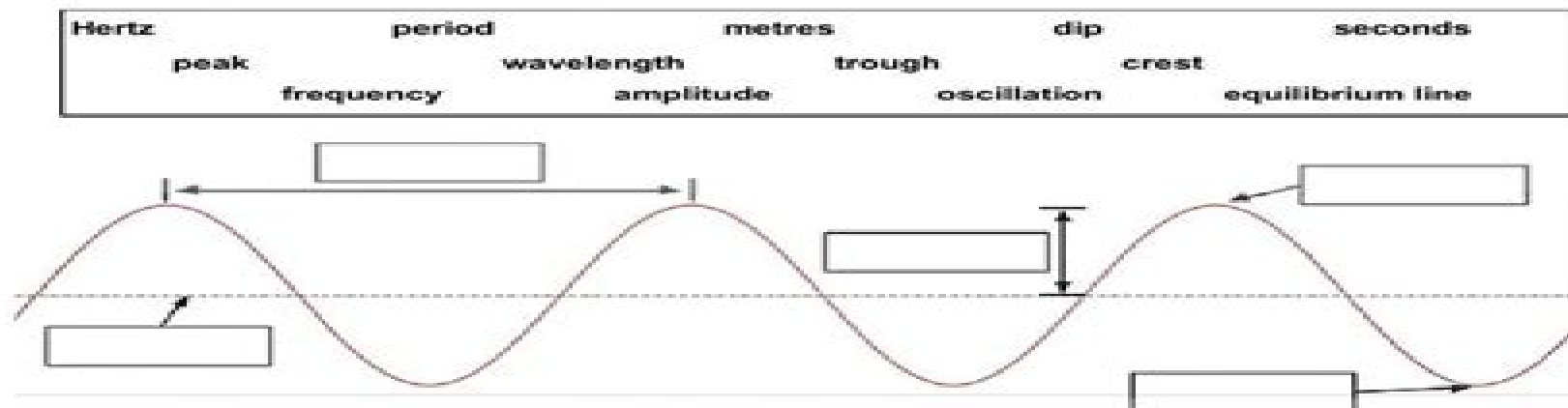


Properties of Waves

1. Complete the following statements:

- Waves transfer _____ without transferring _____.
- **Mechanical** waves _____ travel through empty space.
- **Electromagnetic** waves _____ travel through empty space.
- **Transverse** waves move _____ to the direction of the wave.
- **Longitudinal** waves move _____ to the direction of the wave.

2. Use words in the box to complete the diagram.



3. Select which property of a wave is being described in each statement.

- _____ The top of a wave.
- _____ The bottom of a wave.
- _____ The number of waves that pass in 1 second.
- _____ The time it takes for one wave to pass or complete a cycle.
- _____ The maximum height of a wave from the equilibrium line (rest position).
- _____ The distance between two consecutive troughs.
- _____ Waves that travel perpendicular to the energy movement.
- _____ Waves that require a medium to travel through.

Wave Properties Worksheet Answers

John Lockhart

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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