

Revision Unit 6

Multiple Choice Questions: Circle the correct answer

1- What do all waves transfer from one place to another?

- a. Energy
- b. Matter
- c. Particles
- d. Water

2- Which of these is needed for a sound wave to be made?

- a. Heat
- b. light
- c. Liquid
- d. Vibration

For each of the following statements, state whether it is True or False:

- 1- Waves are created by a vibration
- 2- Speed of sound = distance x time
- 3- Sound waves can travel through vacuum

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4- Sound waves need a medium to move through

Match each definition with the corresponding term

The number of waves that go past a particular point per second

amplitude

The distance from the middle to the top of a wave

wavelength

The distance from one point on a wave to the same point on the next wave

frequency

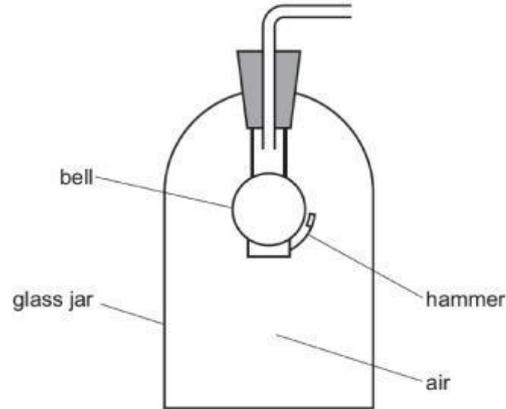
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Extended Questions:

Q1)

Carlos investigates sound using a bell in a glass jar.

Look at his assembled equipment.



(a) Explain why Carlos hears a sound when the hammer hits the bell.

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(b) Carlos removes all of the air from the glass jar using a pump.

The hammer hits the bell.

Explain why Carlos does **not** hear a sound when there is **no** air in the glass jar.

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