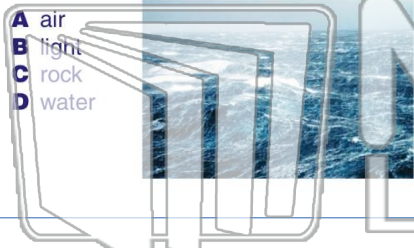




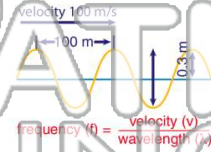
Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 The **medium** through which a **tsunami** travels is \_\_\_\_\_.



2 The diagram below represents a wave after a tsunami. Answer the question based on the information in the diagram. What is the **frequency**, in hertz (Hz), of this wave?

- A 1 Hz
- B 2 Hz
- C 100 Hz
- D 200 Hz



3 The **crest** of the wave is \_\_\_\_\_ above the resting position of the wave.

velocity 100 m/s

4 The **type of wave** that causes a tidal wave is a \_\_\_\_\_.

5



## PREVIEW

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7

**longitudinal** wave. What is the name of this **part** of the wave?

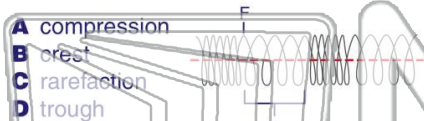
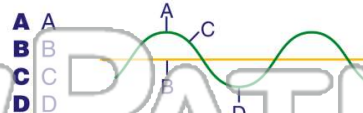
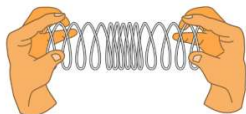


diagram below is pointing to the trough?



9 The diagram below shows a slinky being held and **stretched** by two students. What **type of wave** is shown by the slinky?

- A compression
- B longitudinal
- C transverse
- D seismic



10 The velocity of a wave is measured in meters per second. What is the **velocity** of a wave that has a frequency of **10 Hz** and a wavelength ( $\lambda$ ) of **20 m**?

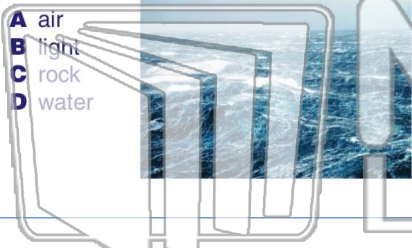
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$$v = f\lambda$$



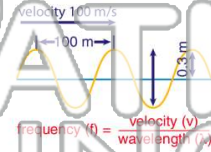
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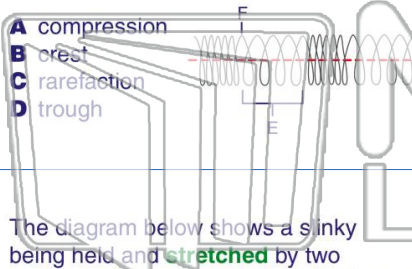
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**PREVIEW**

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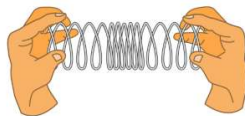
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