

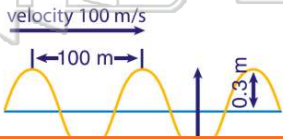


Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

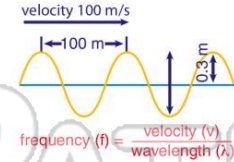
- 1 The **medium** through which a **tsunami** travels is \_\_\_\_\_.
- A air
  - B light
  - C rock
  - D water



- 3 The **crest** of the wave is \_\_\_\_\_ above the resting position of the wave.
- A 100 m
  - B 1 m
  - C 0.3 m
  - D 100.3 m



- 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



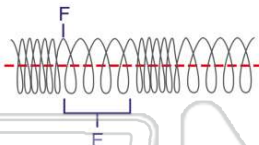
- 4 The **type of wave** that causes a tidal wave is a \_\_\_\_\_.
- A fast wave
  - B magnetic wave
  - C seismic wave
  - D sound wave



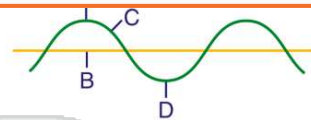
## PREVIEW

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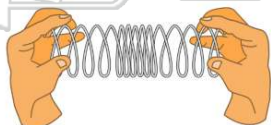
- 7
- A compression
  - B crest
  - C rarefaction
  - D trough



- A A
- B B
- C C
- D D



- 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**?
- A 10 m/s
  - B 20 m/s
  - C 30 m/s
  - D 200 m/s

$$v = f\lambda$$



## ANSWER KEY

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

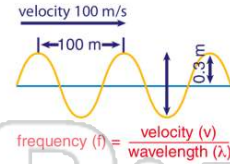
- A air
- B light
- C rock
- D water



(d)

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?

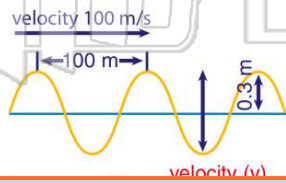
- A 1 Hz
- B 2 Hz
- C 100 Hz
- D 200 Hz



(a)

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

- A 100 m
- B 1 m
- C 0.3 m
- D 100.3 m



(c)

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

- A fast wave
- B magnetic wave
- C seismic wave
- D sound wave

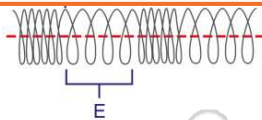
(c)



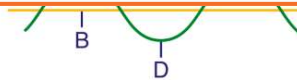
## PREVIEW

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- A crest
- B rarefaction
- C trough
- D

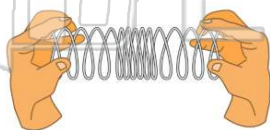


- C C
- D D



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



(b)

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**?

- A 10 m/s
- B 20 m/s
- C 30 m/s
- D 200 m/s

$$v = f \lambda$$

(d)