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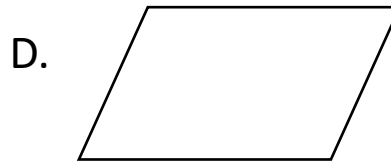
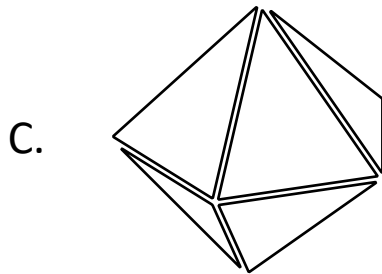
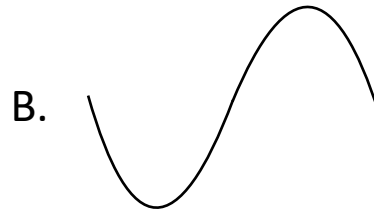
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Electromagnetic Waves- Part 1

1. Which drawing below best represents the appearance of an electromagnetic wave?



2. True or False: The distance between two crests on a wave is called the frequency. _____

3. The number of wavelengths that pass a given point in one second is called the _____.

- A. wavelength
- B. frequency
- C. node
- D. anti-node

4. The area on the electromagnetic wave that has the most energy is called the _____ while the area with the least amount of energy is called _____.

- a. node, anti-node
- b. anti-node, node
- c. hertz, anti-hertz
- d. anti-hertz, hertz

Name _____

Date _____

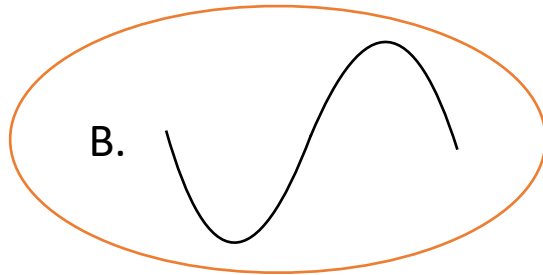
Electromagnetic Waves- Part 1- Answer Key

1. Which drawing below best represents the appearance of an electromagnetic wave?

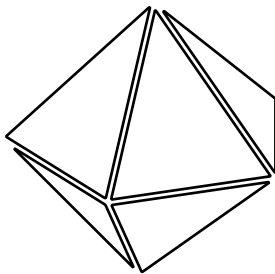
A.



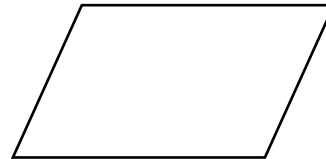
B.



C.



D.



2. True or False: The distance between two crests on a wave is called the frequency. False- this is the definition of wavelength

3. The number of wavelengths that pass a given point in one second is called the _____.

A. wavelength

B. frequency

C. node

D. anti-node

4. The area on the electromagnetic wave that has the most energy is called the _____ while the area with the least amount of energy is called _____.

a. node, anti-node

b. anti-node, node

c. hertz, anti-hertz

d. anti-hertz, hertz

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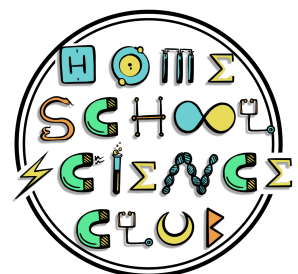
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