

Name _____

1. You will need 4 colors, A=_____ B=_____ C=_____ D=_____
2. Plot a dot for all 14 days for each station, you should have 14 dots of each color. DO NOT connect the dots.

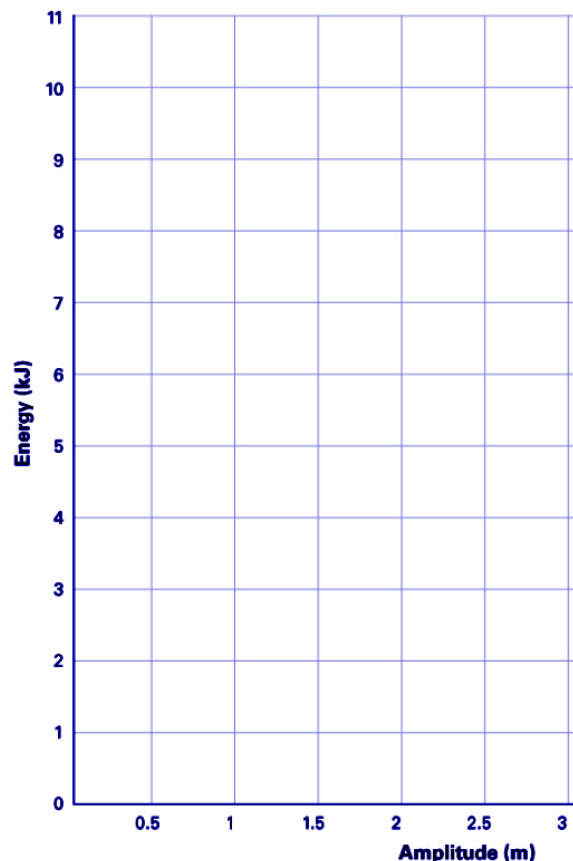
3. Make a **claim**: What happens as amplitude increases?

As amplitude increases, energy _____.

4. What is your **evidence**? **The graph shows that** when the amplitude is greater, then the energy _____

5. **Reasoning**: The evidence confirms that as amplitude increases, energy _____ because each time I plotted a dot for more energy it had _____ amplitude.

6. Using the word amplitude to explain why sounds get quieter the further you are from the source. **Sound gets quieter the further you are from the source because** _____



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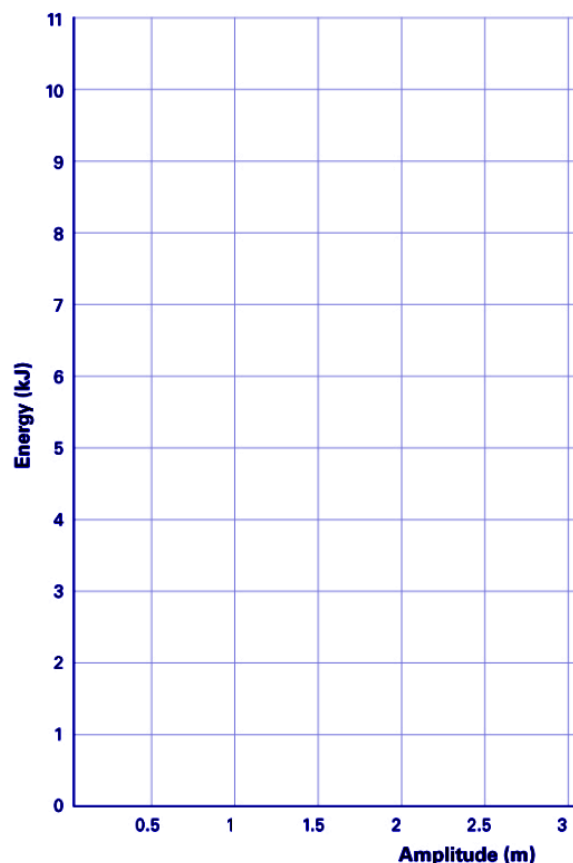
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Vocab Matching Lesson 4, 5, 6 Write the letter on the line

A. wave

B. mechanical wave

C. medium

D. light wave

E. sound

F. frequency

G. energy

H. amplitude

I. wavelength

_____ is the ability to move objects or cause a change

_____ a wave that does not need a medium.

Can travel through empty space (vacuum) as well as through a medium

_____ distance between the start of one wave cycle and the start of the next wave cycle

_____ a disturbance that carries energy from place to place

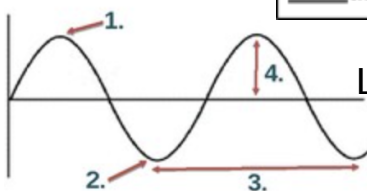
_____ the number of waves that pass a certain point in a given period of time

_____ the size of the crests or troughs of a wave from a resting position

_____ waves in which particles move back and forth in repeating patterns,
REQUIRES a medium to travel through

_____ an example of a mechanical wave that REQUIRES a MEDIUM to travel through is a _____ wave.

_____ the matter that a mechanical wave travels through



Label the parts of the wave:

1. _____ 2. _____

3. _____ 4. _____

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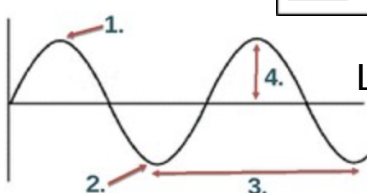
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