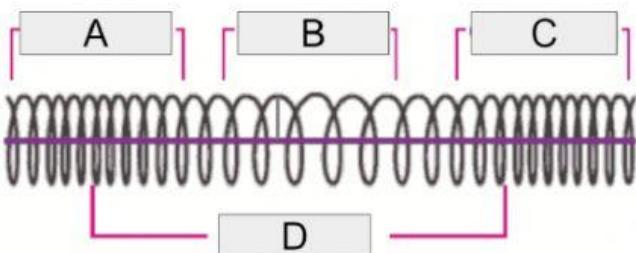


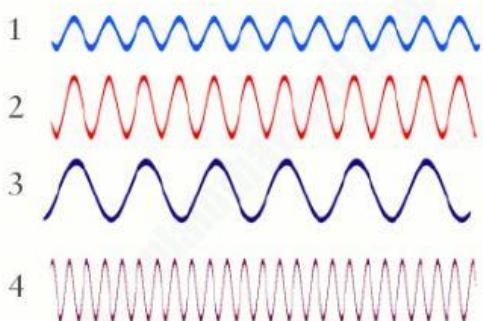
## Parts and Trends of Waves Checkpoint - Part 2

For questions 1 - 4, use the diagram below.



1. Which part of a wave is represented by the letter D?
2. Which part of a wave is represented by the letters A & C?
3. Which part of a wave is represented by the letter B?

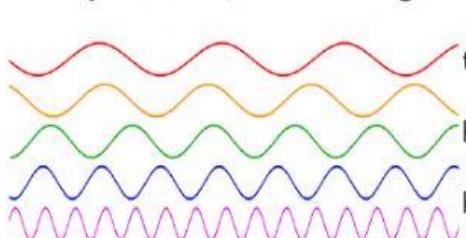
For question 5 - 6, use the diagram below.



5. Which statement most accurately compares wave 1 to wave 4?
  - A. Wave 1 has a taller amplitude than wave 4
  - B. Wave 3 has a shorter wavelength than wave 1.
  - C. Wave 4 has a higher frequency and amplitude than wave 1.
  - D. Wave 1 has more energy than wave 4.
6. Which wave has the highest frequency?

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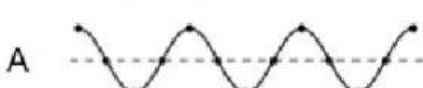
For question 7, use the diagram below.



7. What is true about these waves?

- A. The purple wave has the highest frequency, therefore it has the lowest energy.
- B. The orange wave has the shortest wavelength and highest energy.
- C. The green wave has the lowest amplitude and the highest energy.
- D. The red wave has the longest wavelength, and lowest frequency. Therefore it has the lowest energy.

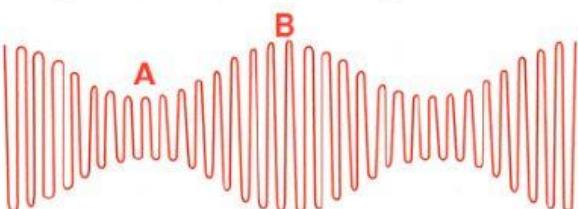
For question 8 - 9, use the diagram below.



8. Which wave represents a Longitudinal Wave?
9. Which wave represents a Transverse Wave?



For question 10, use the diagram below.



10. Which portion of the wave is carrying the most energy?