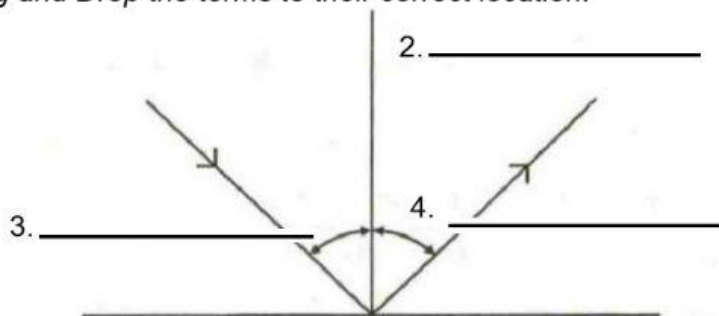


## Unit 15 Test

1. A wave is traveling at constant speed, in a given medium, as the frequency of a wave increases, its wavelength (**increases, decreases, remains the same**).

*Drag and Drop the terms to their correct location.*



Angle of Incidence  
Angle of Reflection  
Normal

5. What is the relation ship between angle **A** and angle **B** in the diagram?

*Drag and drop the symbols to indicate your answer.*

<   >   =

**A   B**

**Directions:** Match the units in one column to the quantities they measure in the other column by writing the correct letter in the space provided.

- |                     |               |
|---------------------|---------------|
| 6. _____ wave speed | a. meter      |
| 7. _____ frequency  | b. meters/sec |
| 8. _____ wavelength | c. hertz      |

### Multiple Choice

*Identify the letter of the choice that best completes the statement or answers the question.*

- \_\_\_\_\_ 9. Waves combine to produce a smaller or zero-amplitude wave in a process called  
a. constructive interference.      c. refraction.  
b. destructive interference.      d. reflection.
- \_\_\_\_\_ 10. Waves combine to make a wave with larger amplitude in a process called  
a. refraction.      c. reflection.  
b. destructive interference.      d. constructive interference.