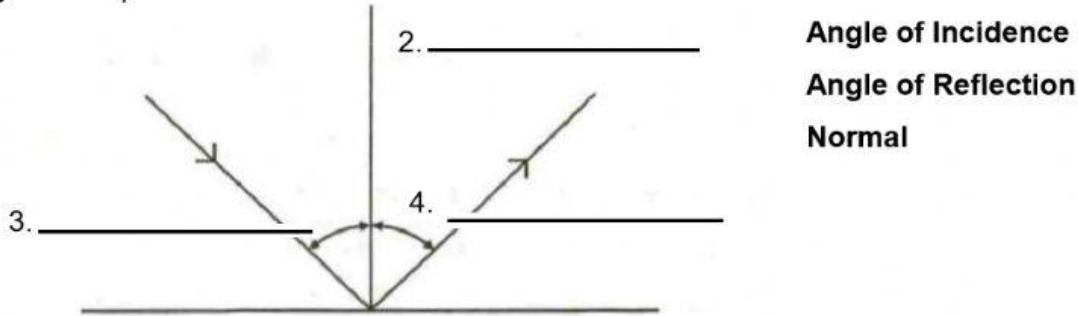


## Unit 15 Test

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 relationship 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.