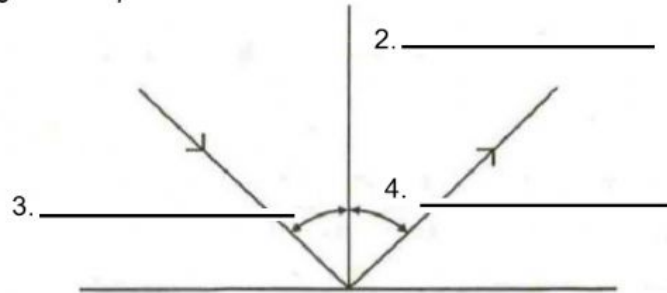


Unit 15 Test

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.