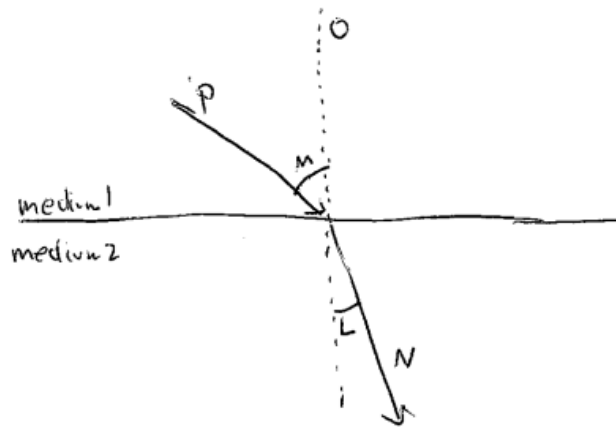


Refraction Quiz

Questions 11 - 15 refer to the diagram below. Describe the name of each item on the diagram.



11. Object "L" is referred to as:

- A. The incident ray
- B. The Refracted ray
- C. The angle of incidence
- D. The angle of refraction
- E. The normal line.

12. Object "M" is referred to as:

- A. The incident ray
- B. The Refracted ray
- C. The angle of incidence
- D. The angle of refraction
- E. The normal line.

13. Object "N" is referred to as:

- A. The incident ray
- B. The Refracted ray
- C. The angle of incidence
- D. The angle of refraction
- E. The normal line.

14. Object "O" is referred to as:

- A. The incident ray
- B. The Refracted ray
- C. The angle of incidence
- D. The angle of refraction
- E. The normal line.

15. Object "P" is referred to as:

- A. The incident ray
- B. The Refracted ray
- C. The angle of incidence
- D. The angle of refraction
- E. The normal line.

Questions 16 - 17 deal with basic concepts:

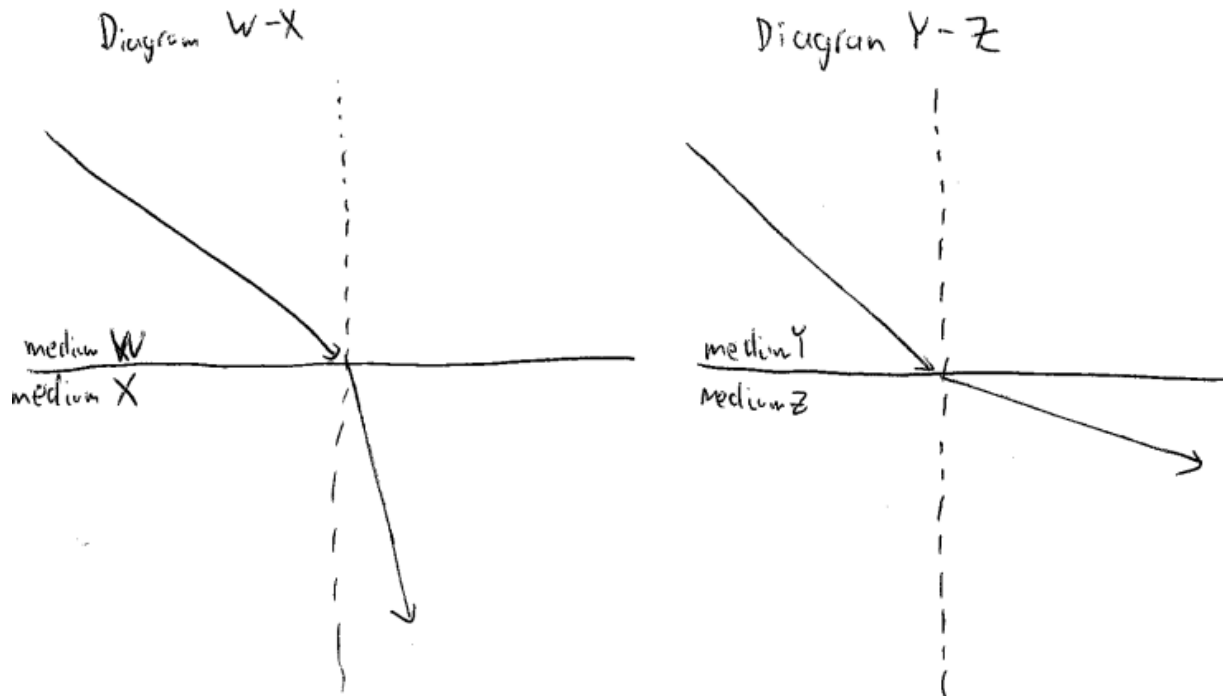
16. When does a light ray refract?

- A. Whenever it is traveling in glass or water.
- B. Whenever it crosses between two mediums and changes speed.
- C. Whenever light changes from one type of electromagnetic wave to another.
- D. Whenever multiple colors are mixed in a vacuum.

17. Where does light move the fastest?

- A. In a vacuum
- B. In air
- C. In water
- D. Inside a diamond
- E. Light moves at the same speed in all mediums.

Question 18. - 20. deal with the two diagrams shown below:



18. Which of the following statements is true?

- A. Diagram W-X shows light speeding up, diagram Y-Z shows light slowing down.
- B. Diagram W-X shows light slowing down, diagram Y-Z shows light speeding up.
- C. Both diagrams show light speeding up.
- D. Both diagrams show light slowing down.
- E. Light does not change speed in either diagram.

19:

What *could* be the mediums W and X?

- A. Medium W is air, medium X is glass
- B. Medium W is glass, medium X is air.
- C. Both mediums W and X are glass.
- D. Both mediums W and X are air.

20:

What *could* be the mediums Y and Z?

- A. Medium Y is air, medium Z is water
- B. Medium Y is water, medium Z is air.
- C. Both mediums Y and Z are water.
- D. Both mediums Y and Z are air.