



Light Theory Test

1. What is Snell's law?
2. On which factors lateral displacement depend? What is the relation between angle i and angle e ? will it be same if the light is travelling from denser to rear medium and then from rear to denser medium.
3. Which mirror is used as shaving mirror? Why?
4. List two situations when light is not deviated after reflection.
5. What is power of combination? Give two applications
6. Draw the ray diagram when same size, real and inverted image is formed by converging lens
7. Draw the ray diagram formed by magnifying glass.
8. Prove that object distance is equal to image distance
9. Define refractive index. What is the unit
10. What is rear view mirror? Draw the ray diagram.
11. How many rays should draw during ray diagram?
12. Differentiate between real and virtual image
13. Define virtual focus.
14. What is the cause of refraction?
15. Define one dioptre
16. If one concave and one convex lens having same power are placed together what is the power of combination. Draw the diagram.
17. Refractive index of water is 1.33. what does it mean?
18. Identify concave, convex and plane mirror without touching
19. If the angle between incident ray and plane mirror is 30 degree then what is the angle between incident ray and reflected ray?
20. Differentiate between reflection and refraction