

Light Reflection & Refraction

Worksheet

1) Differentiate between Concave - Convex lens and convex - concave lens. ?

ms	Concave - Convex	Convex - Concave
•	It is thinner at outer boundary and thick in middle	• It is thicker at outer boundary thin less
•	It's the radius of curvature surface is lower than concave surface	It's radius of curvature surface is higher than concave lens

2) What is the reason behind the Sparkling of a diamond

ms Only a portion of the light hitting a diamond is reflected, the rest travels through the diamond, it is scattered and fractured, creating the sparkles that diamonds are

3) In which case the converging will be more, B₂-convex or plano convex? justify.