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Q.1 Differentiate between concavo-convex and convexo-concave lens?

Q.2 What is the reason behind the sparkling of a diamond?

Q.3 In which case converging will be none, bi-convex or plano convex. Justify.

ans ① * Concavo-convex \rightarrow The concave face has a greater degree ^{of curvature} than the convex face.

* Convexo-concave \rightarrow The convex face has a greater degree of curvature than the concave face.

\rightarrow Concavo-convex lens is thinner at outer boundary while thicker at middle.

* Convexo-concave \rightarrow It is lens thinner at middle and thicker at outside or outer boundary.

ans ② Reason for sparkling of a diamond is refraction and internal reflection.

Q. any A convex lens or converging lens focuses the light rays to a specific point. It is bi-convex the converging capacity will be more.