

SCIENCE

MEDIUM OF LIGHT

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Substance through which light propagates or tends to propagate is called medium of light.

- (i) **Transparent Object** : Bodies that allow light to be pass through them i.e. transmit light through them, are called transparent bodies.
e.g.: Glass, water, air etc.
- (ii) **Translucent Object** : Bodies that can transmit only a part of light through them are called translucent objects.
e.g.: Frosted or ground glass, greased paper, paraffin wax.
- (iii) **Opaque Object** : Bodies that do not allow light to pass through them at all are said to be opaque object.
Eg. Chair, desk etc.

NOTE : Depending on composition optical medium are divided into two type.

- (i) **Homogeneous medium** : An optical medium which has a uniform composition throughout is called homogeneous medium. E.g. Vacuum, distilled water, pure alcohol, glass, plastics, diamond, etc.
- (ii) **Heterogeneous medium** : An optical medium which has different composition at different points is called heterogeneous medium. Eg. Air, muddy water, fog, mist, etc.