

Task

Draw a straight line to connect each keyword or phrase with its definition.

1)

absorbed	Light ray bouncing off a surface.
opaque	When light is taken into a material and not transmitted or reflected.
reflection	Light rays can pass through.
translucent	Some light rays can pass through.
transmitted	Light rays cannot pass through.
transparent	When light rays pass through a material.

2)

refraction	Reflecting or radiating light.
incident ray	The range of coloured light that makes up white light.
visible spectrum	The light ray hitting a surface.
luminous	A dark area caused by an opaque object blocking light rays.
shadow	The angle between the normal and the reflected ray.
angle of reflection	A ray is bent as it passes from one medium to another.

3) In the light topic what do we use straight lined arrows to represent? Explain why.

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Answers

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refraction	A ray is bent as it passes from one medium to another.
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shadow	A dark area caused by an opaque object blocking light rays.
angle of reflection	The angle between the normal and the reflected ray.

3) Question

Straight lines are used to represent light rays, because rays travel in straight lines. The arrow shows the direction the light ray is travelling in.