

Name _____ Class _____ Date _____

1 Fill in the gaps in these sentences using words from the box.

incidence reflect reflection scatter

Mirrors _____ light evenly, so that the angle of _____ (*r*) is equal to the angle of _____ (*i*).

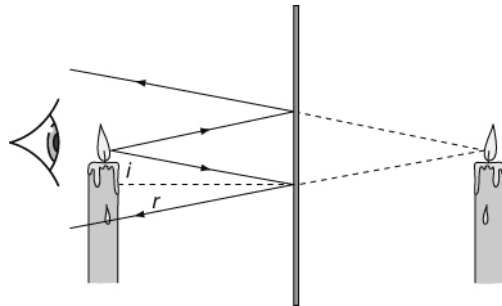
Most opaque materials _____ the light when they reflect it, so that it goes off in all directions.

2 Tick (✓) the boxes to show how each material will reflect light.

	Specular (even) reflection	Diffuse (scattered) reflection
a paper	<input type="checkbox"/>	<input type="checkbox"/>
b polished metal	<input type="checkbox"/>	<input type="checkbox"/>
c brick	<input type="checkbox"/>	<input type="checkbox"/>
d wood	<input type="checkbox"/>	<input type="checkbox"/>

3 a Label the diagram using words from the box.

angle of incidence angle of reflection image incident ray
mirror reflected ray



b Look at the diagram above. How big is the image of the candle? Tick (✓) *one* box.

- smaller than the real candle the same size bigger than the real candle

I can...

- describe how different surfaces reflect light.