Law of Reflection

(!) This is a preview of the published version of the quiz

Started: Jul 12 at 1:14am

Quiz Instructions

Waves Lesson 5

Law of Reflection

Reflection Angle of Incidence and Curved Surfaces - Video Lesson Transcript Studycom.mp4

https://youtu.be/pWjB7kgLQdY (https://youtu.be/pWjB7kgLQdY)



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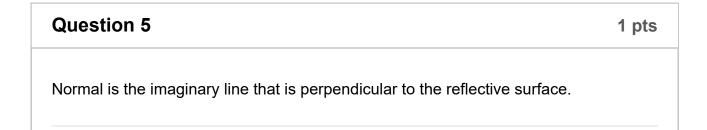
Diffuse Reflection Definition Examples Surfaces - Video Lesson Transcript Studycom.mp4

Question 1	1 pts
The reflection of waves involves a change in the directian a surface.	on of waves when they strike
⊖ True	
⊖ False	

Question 2	1 pts
A ray is a straight line through space that indicates the path of a wave.	
⊖ True	
⊖ False	

Question 3	1 pts
An incident ray represents a wave traveling away from a reflective surface.	
⊖ True	
⊖ False	

Question 4	1 pts
A reflected ray represents a wave approaching a reflective surface.	
⊖ True	
⊖ False	



⊖ True

⊖ False

Question 6	1 pts
The law of reflection indicates that the angle of a reflected ray matches that o incident ray as measured from normal.	of the
⊖ True	
⊖ False	

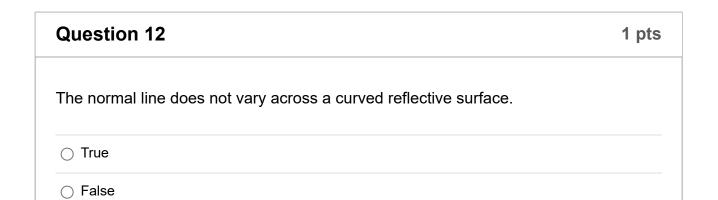
Question 7	1 pts
The angle of incidence measures the position of the incident ray in relation to t surface.	he
⊖ True	
⊖ False	

Question 8	1 pts
The angle of reflection measures the position of the incident ray in relation to the normal.	ıe
⊖ True	
⊖ False	

Question 9 1 pts
If a ray of light is reflected off a specular surface with an angle of incidence of 20 degree, what must be its angle of reflection in degrees?

Question 10	1 pts
If a ray of light is reflected off a flat mirror with an angle of incidence of 20 deg what must be the angle in degrees between the reflected ray and the mirror?	grees,

Question 11	1 pts
The law of reflection does not apply to curved surfaces.	
⊖ True	
⊖ False	



Question 13

At a certain distance away from a concave, mirrored spoon an image will appear upside down and backward due to the law of reflection.

⊖ True

⊖ False

Question 14	1 pts
Diffuse reflection occurs when a smooth surface causes reflected rays to trave same direction.	⊧l in the
⊖ True	
⊖ False	

Question 15	1 pts
Specular reflection typically occurs on which of the following surfaces:	
Choose all that apply.	
Very Still Water	
White Paper	
Mirrors	

1 pts

Question 16	1 pts
The law of reflection does not apply to diffuse reflection.	
⊖ True	
⊖ False	

Question 17	1 pts
Specular reflection occurs when a rough surface causes reflecte different directions.	ed rays to travel in
⊖ True	
⊖ False	

Question 18	1 pts
People who design auditoriums and sound studios try to minimize the diffuse reflection and maximize the specular reflection of sound waves.	
⊖ True	
⊖ False	

Acoustic diffusers are ceiling and wall treatments that spread out sound waves by	
causing diffuse reflection.	

⊖ True

⊖ False

Question 20	1 pts
Different shapes and angles within walls and ceilings increases the likelihood o diffuse reflection of sound waves in a room.	f the
⊖ True	
⊖ False	

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