

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 Studyc.com.mp4](#)

<https://youtu.be/pWjB7kgLQdY> [_ \(https://youtu.be/pWjB7kgLQdY\)](https://youtu.be/pWjB7kgLQdY)



[\(https://youtu.be/pWjB7kgLQdY\)](https://youtu.be/pWjB7kgLQdY)

[Diffuse Reflection Definition Examples Surfaces - Video Lesson Transcript Studyc.com.mp4](#)

Question 1

1 pts

The reflection of waves involves a change in the direction of waves when they strike a surface.

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

Question 5**1 pts**

Normal is the imaginary line that is perpendicular to the reflective surface.

True

False

Question 6

1 pts

The law of reflection indicates that the angle of a reflected ray matches that of the incident ray as measured from normal.

True

False

Question 7

1 pts

The angle of incidence measures the position of the incident ray in relation to the surface.

True

False

Question 8

1 pts

The angle of reflection measures the position of the incident ray in relation to the normal.

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 degrees, what must be the angle in degrees between the reflected ray and the mirror?

Question 11**1 pts**

The law of reflection does not apply to curved surfaces.

- True
- False

Question 12**1 pts**

The normal line does not vary across a curved reflective surface.

- True
- False

Question 13**1 pts**

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 travel in the same direction.

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

Clothing

Mirrors

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 reflected rays to travel in different directions.

- 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

Question 19**1 pts**

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 of the diffuse reflection of sound waves in a room.

- True
- False

Not saved

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