

# A Physics Interactive Quiz : Optics

Name: \_\_\_\_\_

#	question	Answer	0 <--score
# 1	24 degrees is the angle a laser enters water from air. Find the angle of the laser in the water		0
# 2	32 degrees is the angle of a laser that goes from water to air, find the angle in the air		0
# 3	34 degrees is the critical angle for a liquid into air. Find the index of refraction for the liquid		0
# 4	1.4 is the index of refraction for a liquid, find the critical angle into air		0
# 5	72 cm is the distance from a lens that rays from the sun can be focused to burn paper. Find the radius of curvature for this lens		0
# 6	72 find the focal length for this lens		0
# 7	72 If this lens were setup with a candle 2 focal lengths away, how many cm would the image appear from the lens?		0
# 8	88 cm is the radius of curvature for a concave mirror. Where would you place a light bulb to make this mirror into a flashlight?		0
# 9	88 how many cm from the mirror would you place paper to burn it using the sun?		0
# 10	88 how many cm from the mirror would you produce an image of exactly the same size, on the same side of the mirror?		0

**Extra Credit:**