

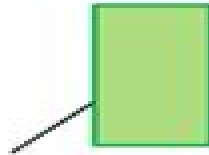
Shedding Light on Refraction Worksheet

Name: _____

Part A: Refraction

1. What is refraction?

2. Sketch the path you would expect the light ray to follow on entering and exiting the glass block. Draw in the two normal lines where the light ray strikes each surface.



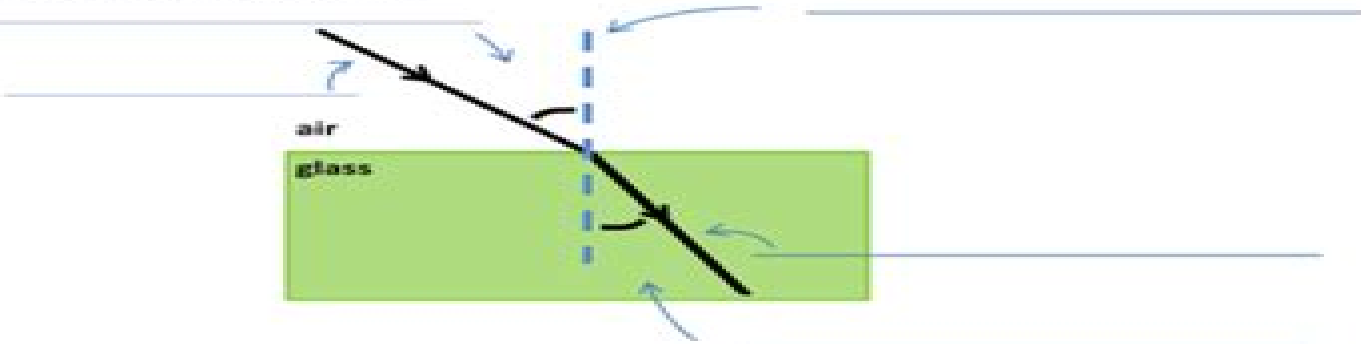
3. What is the (approximate) speed of light...

- (a) in a vacuum? _____
(b) in air? _____
(c) in water? _____
(d) in glass? _____

4. Why does refraction occur?

Diagram

5. Label the following diagram.



6. The refracted light ray depicted in Q5 is turning towards/away from the normal. (circle the correct answer)
7. Write what the mnemonic FAST stands for.

F
A
S
T

Light Refraction Worksheet Answers

Saraswati Experts

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the 'Saraswati Experts' text.

Light Refraction Worksheet Answers:

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Semester 2: Biology and Chemistry

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God's amazing creation You will learn about biological classification how seeds spread around the world long term storage of energy how biologists learned how the stomach digested food the plant that gave George de Mestral the idea of Velcro and so much more For most of history biologists used the visible appearance of plants or animals to classify them They grouped plants or animals with similar looking features into families Starting in the 1990s biologists have extracted DNA and RNA from cells as a guide to how plants or animals should be grouped Like visual structures these reveal the underlying design of creation Exploring the World of Biology is a fascinating look at life from the smallest proteins and spores to the complex life systems of humans and animals Chemistry is an amazing branch of science that affects us every day yet few people realize it or even give it much thought Without chemistry there would be nothing made of plastic there would be no rubber tires no tin cans no televisions no microwave ovens or something as simple as wax paper This book presents an exciting and intriguing tour through the realm of chemistry as each chapter unfolds with facts and stories about the discoveries of discoverers Find out why pure gold is not used for jewelry or coins Join Humphry Davy as he made many chemical discoveries and learn how they shortened his life See how people in the 1870s could jump over the top of the Washington Monument Exploring the World of Chemistry brings science to life and is a wonderful learning tool with many illustrations and biographical information

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