

Part One Review:

How does light allow me to see?

Name _____

Date _____

Period 2 3 5 6

Directions: Answer each question completely.

1. John and Justin are playing hide and seek at home. From the back of a room John says he can see Justin around the corner in the next room. Is John cheating, or can he see around the corner? Explain.

2. The power is out in your house, and you want to telephone a friend to see if the power is out in her house too! First you must find the telephone in the dark using a flashlight.

In the diagram below, draw what must happen for you to see the telephone.



3. Explain everything that happens which allows (or does not allow) you to see the telephone.

4. Can there be different kinds of models of the same thing? For example, are there different kinds of models for how we see? Explain.

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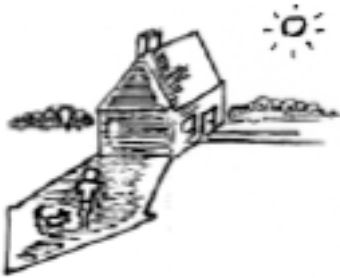
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5. When we look at a book in the sunlight, what must happen to the light for our eyes to see the book?

6. In the picture below, how does the house make a shadow? Explain using the consensus model of light.



7. A light meter was used at four different locations. Write the location letters on the line according to the data table.

Location	Lux Reading
A	4,500
B	85
C	700
D	11

Light
Source

(closest)

(farthest)