Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_ Light Study Guide

Use these study questions to help you prepare for your test. Use the back if needed to answer.

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| 1.Fill in the blank with the correct term:  A. Light bouncing back:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  B. Light striking an object:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  C. Light Bending:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  D. Light going through:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 2. Using the picture: Explain why the person can see the other person. Remember key words!    [This Photo](https://en.wikipedia.org/wiki/Wikipedia:Reference_desk/Archives/Science/2012_November_4) by Unknown Author is licensed under [CC BY-SA](https://creativecommons.org/licenses/by-sa/3.0/) |
| 3. Draw and label a model for light reflecting, transmitting, absorbing, and refracting. Explain your models. | |
| 4. If the incoming ray has an angle of 35 degrees, what is the outcoming ray\_\_\_\_\_\_\_\_\_\_\_\_\_?  What law tells you this? | 5. Refraction happens when……… |
| 6. Explain the reflection for:  Smooth Surface:  Rough Surface: | 7. Explain how a one way mirror works. Use key words. |
| 8. Define the following materials and give examples.  Opaque:  Transparent:  Translucent: | 9. Explain why I see an apple as red. |
| 10. Explain how the amount of light can affect what we see. | |