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| **Science 8**  **Worksheet: Refraction** | **Name: Date: Block:** |

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| 1. Use the diagram to answer the following questions:    1. Draw the normal (as a dotted line).    2. Identify which material (***air*** or ***water***) is more dense.    3. Explain what happens when the ray of light moves from the fish to the eye. | Macintosh HD:Users:teacher:Dropbox:Screenshots:Screenshot 2017-03-06 16.04.37.png |

Draw a sketch of how light behaves as it passes from left to right through the following materials. Remember there is a NORMAL at every boundary!

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| Water | | Air | | Glass | | Air | | Water | |
|  | |  | |  | |  | |  | |
|  | |  | |  | |  | |
| Material more or less dense?  Light will bend toward or away from normal? | | Material more or less dense?  Light will bend toward or away from normal? | | Material more or less dense?  Light will bend toward or away from normal? | | Material more or less dense?  Light will bend toward or away from normal? | |