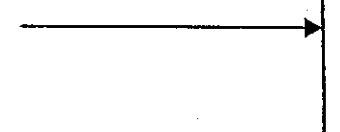

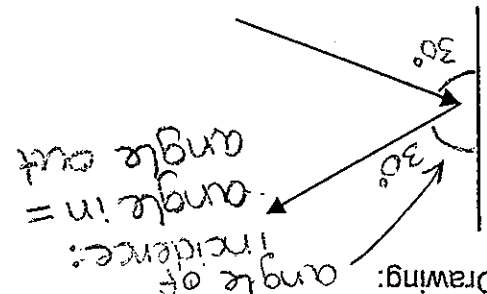

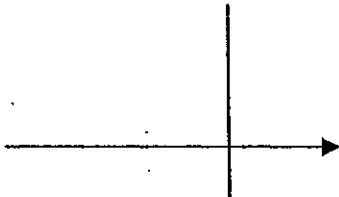

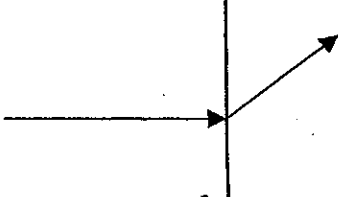


Light Energy

<p>ABSORB</p> <p>Absorption</p>	<p>Light is <u>taken in</u>, which produces heat.</p>	<p><i>Interaction with Matter</i></p> <p>Best occurs on darker surfaces <i>rough surfaces</i></p>	<p>Example:</p> <p>wood, color: black</p>	<p>Drawing:</p> 	<p>1. Light energy is absorbed into matter creating a transformation of energy from light to heat energy.</p> 
<p>REFLECT</p> <p>Reflection</p>	<p>Light <u>bounces off</u> of a surface.</p>	<p><i>Interaction with Matter</i></p> <p>Best occurs on smooth, shiny surfaces</p>	<p>Example:</p> <p>mirrors, tinted windows, sun glasses</p>	<p>Drawing:</p> 	<p>1. Light energy interacts with matter and bounces off.</p> <p>2. Light bounces off matter.</p> 
<p>TRANSMIT</p> <p>Transmission</p>	<p>Light <u>passes through</u> a clear surface.</p>	<p><i>Interaction with Matter</i></p> <p>Best occurs on clear surfaces such as windows</p>	<p>Example: <i>transparent or clear, objects</i> glass</p>	<p>Drawing:</p> 	<p>1. Light energy passes through matter in a straight line.</p> 
<p>REFRACT</p> <p>Refraction</p>	<p>Light <u>bends</u> as it passes from <u>one medium to another</u>.</p>	<p><i>Interaction with Matter</i></p> <p>Best occurs with lenses (concave and convex) and water</p>	<p>Examples: eye glasses, glass of water & straw, rainbow, lenses</p>	<p>Drawing:</p> 	<p>1. Light energy passes through matter and bends as it transmits.</p> 