






### Topic 3: Production of Light



#### Methods of Light Production

Method	How it Works	Example(s)
<hr/> 	Light from a _____ object	
<hr/> 	_____ passes through a _____ to make light	<b>Natural:</b>  <b>Artificial:</b>
<hr/> 	_____ through a gas makes _____ _____ absorb UV light and turn it into _____ light	
<hr/> 	_____ absorb UV or white light _____ the energy and release it _____	
<hr/> 	A _____ reaction Little/no _____ produced – _____ light	



Chemiluminescence in  
\_\_\_\_\_ organisms  
\_\_\_\_\_ reactions



\_\_\_\_\_ molecules  
\_\_\_\_\_/sheared creating a  
\_\_\_\_\_

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(LED)



Electricity flowing in  
\_\_\_\_\_

**Light Amplification by Stimulated Emission of Radiation (Laser)**



Light \_\_\_\_\_ at exactly the same  
\_\_\_\_\_ level  
Very \_\_\_\_\_ (strong) light –  
all waves travel \_\_\_\_\_