SNC 2DI Date: _____

Light and Optics

<u>Light is Weird</u>		
 light is a form of visible the human eye light does not need a to travel light sometimes displays properties of and sometimes displays properties of light travels at light takes minutes to reach the Earth light travels in lines if travelling in the same medium life on Earth would not exist without 		
The Electromagnetic Spectrum		
 an electromagnetic wave is a wave that has both and parts, does not require a medium, and travels at the speed of light there are many different types of waves i.e, wave that the human eye can detect 		
Visible Light and the Spectrum		
 ROYGBIV - 		
- a is capable of separating colours because each colour travels through the prism at a slightly different		

Why We See Things

We see things because light hits our eyes from all ______.

Luminous

- ______
- -

Non-luminous

- _______
- ______

<u>source</u>	<u>s of Light – Natural</u>
-	
-	
_	
_	
_	
Source	s of Light – Electric Powered
-	
-	
-	
-	
Source	s of Light – Combustion
-	
-	
_	
Source	s of Light – Chemical
_	chemiluminescence
	- light produced by a chemical reaction
	- i.e
-	bioluminescence
	- light produced by a living thing
	- i.e
-	phosphorescence
	- light produced for some time after receiving energy from another source
	- i.e
-	fluorescence
	- light produced while receiving energy from another source
	in