**Light: Introduction**

***What is light?***

* Light is not something you can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_or \_\_\_\_\_\_\_\_\_\_\_\_\_\_
* But you can see light and it can \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ in different ways.
* E.g. heat lamps keep fries warm at McDs
* Does it have any mass?
* So, light has no \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, so it can’t be \_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Light is a form of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_that can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by the human eye.

***Blackout Room:***

* We can see the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_because of the light that comes directly into our eye.
* But how do we see other things in the room?
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Without light we were unable to see anything – but with one candle, light reflected off every object in the room and we could see everything!

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Some of the light is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is transformed into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***So where does light come from?***

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**light sources come from **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**ight sources are **\_\_\_\_\_\_\_\_\_\_\_** light sources.
* We see **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**because they **\_\_\_\_**
	+ **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* We see **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** because their surfaces **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
* In total darkness we see nothing