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Light is the most important factor in many day to day aspects. One such aspect is a photograph. To see anything we need light. How it works is a totally beautiful phenomenon. The light falls on an object and when that object reflects the light itâ€™s then that we get to see the object. Until then it is invisible. In the same way in photography what happens is when we focus on a particular object, the light has to fall on that object and this reflected light should fall on the camera lens. Thatâ€™s when you capture a photograph. When there is no light around and we need to capture any object thatâ€™s when we see flash. What this flash does is throws light on the object so that it may reflect it. In celestial photography light plays a vital role. With the help of which we can even find the distance between celestial bodies like the stars and planets.

This is how it is done:

We can see a star just because the light from the star falls on our naked eye. But the point to be pondered upon is that the starts are too far away from us. Some of them millions of kilometers away so for light to travel these millions of kilometers would take a very long time may be years or decades or even centuries depending upon the distance. The light from the star that falls on the camera lens has travelled a million miles so itâ€™s the light emitted by it many years ago. For instance, if the distance from a star is 100 light years that would mean- light has travelled 100 years to reach the camera lens. The picture captured by the camera is of the star 100 years ago. This is how light can capture the past of our celestial clusters.

On our planet Photographs face a major problem called the Red Eye. Due to the blood vessels reflecting light this red eye is caused. The phenomena called red eye follows the principle of reflection. When light falls on an object it gets reflected back at an angle. In our case the human eye is the object. Due to the reflection angle the red eye is caused.

There are ways to eliminate red eye- One such way is using Photoshop or Picasa. These are photo editing software.

The importance of light in photographs can be understood when we try to click a photograph at night without using any flash or extra lighting. What we get as a result when we do this is just a black snap with a black background. This is not what we want when we want to capture something. When we click a picture, we hope that to be beautiful or informative depending on our need. But when the light doesnâ€™t help you a photograph is as good as nothing.

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