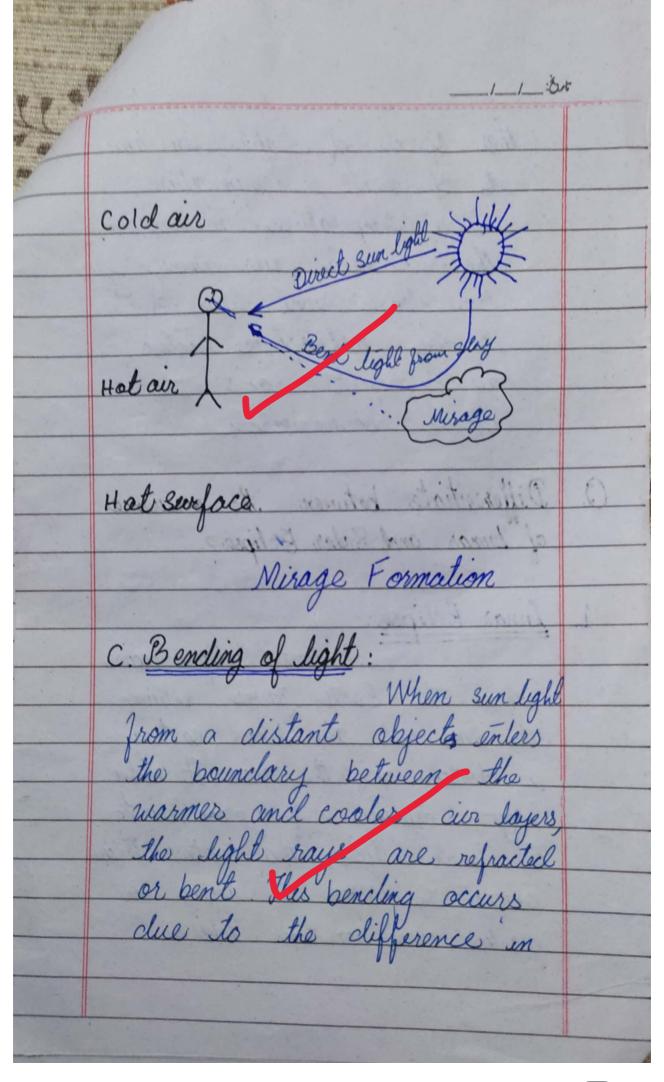
Q	What is a mirage? Describe in
	details the creation of Mirage
1.	Introduction:
	The term "mirage" refers
	to a visual phenomenon that
	occurs when light rays
	travelling through the Earth's
	atmosphere are bent or refracted
	creating an optical illusion that
	distorts the appearances of
	distant objects. Mirage are often
	associated with the appearances
	of water or other objects on
	of water or other objects on the ground especially in arich
	or clesere Invurenments, but
	they can also occur at sea or in various atmospheric conditions
4660	en various atmospheric conditions
2.	Formation of Murage:
	a. Atmospheric Refraction:
	Merages are
The state of the s	

Drimarily a result of the benching through layers of the Earth's atmosphere, where the density and temperature of the our vary The atmosphere is composed of layers with different optical groperties, which can cause light to change direction b. Temperature Inversion: key Jactors in the formation is a temperature warmer our is trappel above a layer of cooler air near the ground. This inversion layer acts as a boundary where light rays are bent. the top the person of



the speed of light in our at different temperatures.

In a temperature inversion the warmer our above a lers de se ancl hors a lower refractive inclen, causing light rays. Is a Differentiate between the occurence of Lunar and Solar Eclipse? 1 Lunar Eclipse: A lunar eclipse occurs when the Earth passes between the Sun and the Moon, casting a shodow on the soon. It only happens cluring a full moon During a lunar eclipse, the Earth's shoclaw causes the Moon to appear to darken and some times take on

