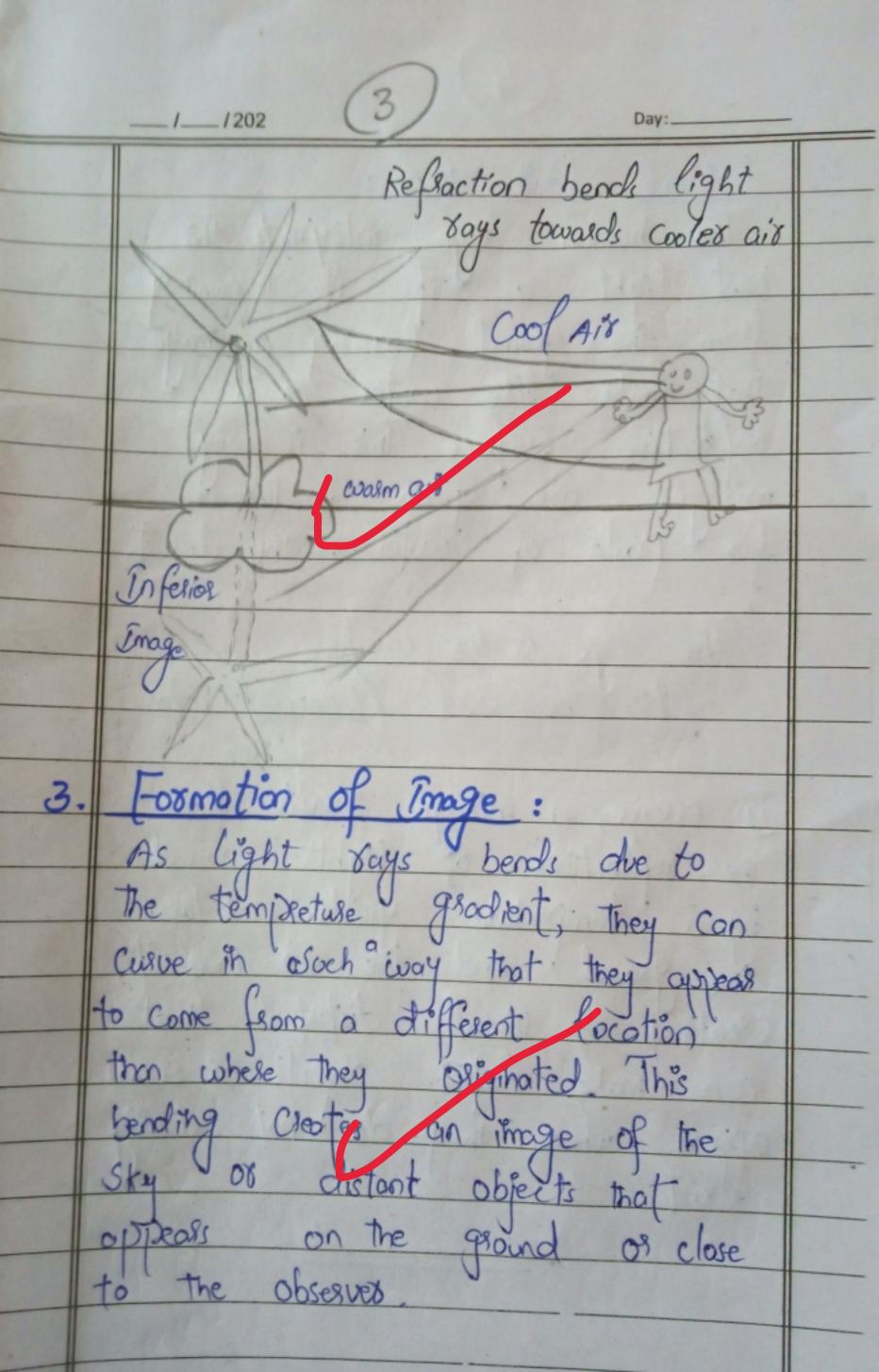
	05,08,12024 1) Day: Monday	
	Grenesal Science and	
	Ability	1
Q:	What is mirage? Describe in	
	detail is mirage? Describe in detail the creation of mirage.	
	Mixage:	
	A misage is an optical	
	illusion caused by atmospheric	
	Conditions that results in the	
	appearance of distinct objects or	
	Scenes that are not actually these	
	It typically occurs in hot dodget	
(	envisonments but con appear in other	
	Setting as well.	
	Setting as well.  The most beautiful thing	
	we can experience is the mysterious	
	It is the source of all true ast	
	and science '- (Albert Einstein)	

Creation of a Mixage 1. Templetule Gradient: A misage fooms when these is a Significant templetuse differences between the ground and The air above it for instance, ha desert; the ground can become extremely hot while the are above et remains coolex In desest, the tempsetuse differences between the hot ground and coolex are con be extreme. Fox example, surface tempretures can beach up to 50°C (122°F) 2. Referction of Light: Light travels through air layering of barying templetures at different speeds when light Passes through air layers of different templetures, it bends or refracts. This bending more Pronounced when a large emple take gladiant will be in orm electromagnetic waves Ghazi Papers



eace tion: The human eye intesperts this best light as if it is coming from the ground, forming an image that looks like water or a befreetive Surface This is why for pools of water in the desert The eye is the window to the Soul "Mesnardo da n essence, a mirage results from the reflection of light Cowed templetule gladient between e ground and the air above it often a visual distration that distant objects or scenes

Day: Morolgy 05,08,2024 Grenesal Science and Ability Differentiate between the occurace of Lunar and solar Eclipse? The occurance of lunas and Solal eclipses involves distinct astronomical alignments and conditions Lunal Eclipse: Lunas Eclipse occuss when the Earth is between the Sun and the moon The Earth Shadow falls on the moon, sausing the eclipse. It event to take place. SUN EARTH Moo Denmosa

1\_\_\_1202 The moon passes through the Earth's umbsa (the central, daskest part of its Shadow) or penumbra (the outer Dast of its shadow). Lunas eclipses ase visible from anywhere on the night side of the Easth these are three types of Lunar edipse lotal conas eclipse The Entire moon is in the Earth's umbra Postial Luras eclipse: enters the umbra Penumbsal (mos eclipse: The Moon Passes through the Earth's Denumbra iv. Lunal Eclipses occuss more requestly and can happen at least twice a Year. They are less rare and more broad Observed eclipses. to solas Com Dakes longes than a solar eclipse 1 y pically lunos eclipses losting total UP to houss Severa

Day: Morday 05, 8, 12024 Solar Eclipse: i- Solar Eclipse occurs when the moon is between the Easth and the Sun. The Moon's Shadow falls on the Easth causing the for this event to occur Moon EARTH SUN Umbra Denumbra The Moon Cast a Stadow on a specific alea of the Earth, Creoting a total, postion or lunas solas eclipse The visibility Solor eclipse is limited to 30/08 creas within , the Moon's Shodow\_

