new melt that

dehydrates from

DAY:_

DATE

	Big Bang was the expansion of
-	space. Space itself a concept that
	comes out of Finstein's equation of
	general but has no counter part
	in the classical physics.
	Big crunch is a theory that
	"If there's enough energy density
	eventually gravity will stop the
	expansion of the universe and reverse
	and there is a singularity out the
	end just like the one at the start.
	How age of universe is determined?
	Astronomers estimate the
	age of the universe in two
	ways.
	1- By looking out the oldest
	stars.
	and by meaning the rate
	of expansion of the universe and
	extrapolating back to the Rig Rang; just as crime deactivates can trace
	ne origin of bullet from holes inquall

Renewable resources are natural	
resources - sunlight, wind, tides , geo-	
thermal etc. that ean be	
replenished in a short period of	
time.	
Here we discuss about the	
five sources of lenewable energy.	
1 - Wind Energy:	
> Wind energy is used to	
generate mechanical gower.	
> Wind turbines convert K.E	
into mechanical power than	
generator can convert it	
to electric energy.	
> Wind speed 2 15 km/h	
turbines wange from 600 KW to	
5 MW of yated power although	
tuibines without output 15-3MW	
for commercial use	
	Larrangh VIII

2 - Hydro Power:	
> The use of falling or fact-yonning	<u> </u>
water to produce electricity or	
to power machines.	
-> Hydro electric energy is woolly	
reserved term for lorge-scale	
hydro esectric doms	
-> Run- of the river hydroelectric	
systems devive kinetic energy from	
vivers and oceans without the	
creation of a large-veservior.	
3 - Solar Energy:	
-> Solar energy applies energy	
from the sun in the form of	
solar radiation for heat or to	
generate electricity.	
-> Solar-powered electricity	
generation uses either photo volatis	""
or heat engines.	
4 - Biomass and Biofevi:	
-> Blomass or Biofuel is a biological	
materical devives from living or recent	

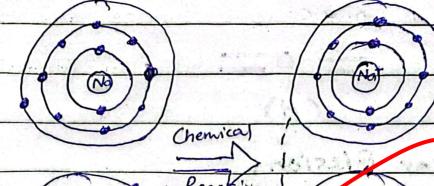
living organisms.	
-> In content of Biomass for energy	
often used to mean plant based	
material, but biomass can equally	
apply to both animal encl	
regetable drived material.	
5- Geothermal Energy:	
> Hot water and steam	
from deep inderground can be	
used to drive turbines. This	
[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	
is called geothermal energy.	
0	
(d) (managed in the	
 optical fibre is a strand	-
of optionly pure glass as thin	
as a human hair that carries	
digital information over long distances.	
working Principle:	
Optical fibre yorks on the	
principle of total internal reflection	

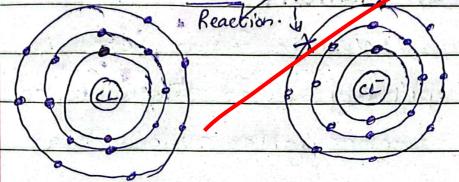
DAY:	MY:DATE:	
-> To	stal internal reflection to get	
m	janimum reflection.	
→	otal reflection minimize the	
	consumption of energy.	
	Signal can travel long distance	
T Skizer -	with less energy.	
	A	
	fig. Total internal veflection.	
ONO	3)	
O NO	대통령 하다 하는 내 그들이 하다 맛있다면 하다 살아왔다면 살아왔다면 하다.	
	12 (9) 11 W W M	
aC 1	Food preservation is a process	
and the first factor	reating and handling of food	
	Stop or greatly clow down spoilage	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	of or accelerated by micro-organism	
	Preservation Methods.	
1-	Modern Preservation Methods:	
	-> Canning process of preserving	

	(6)	
	An eclipse is an astronomical	
	event in which one astronomical	_
	object is temporarily absorred	
	either by passing into the chadow	-
	of another body or having another	_
	body pass between It and the	
	Viewer.	
	Eclipse are of two types.	
	o Solar Edipse:	
	moon is between the sun and	
	the earth and its shaclow moves	
	across the face of the earth.	
	> Jolar celipse ajways occur at	
	the time of new moon.	
	o Lenar Eclipse:	
	> Lunar edipse occurs when the	_
	earth is between the sun and	-
	the moon and its shadow dorken	
	the moch.	_
-	-> lunar eclipse would always	_

formed as products in thee reaction.

Ionic bond in a table sait:





A table salt is also known as

sodium chloride. An atom of codium

donate and of its electron to

an atom of chlorine (cy) in a

chemical veaction, and the resulting

positive ion (Nat) and negative

ion (CL) form a stable ionic

compound (Codium chloride: common

table salt) based on this

ionic bond.



DA	/: DATE:
	: (Section II):
6) NO 8)
	(0)
	First let's name the three
	consective och integers.
	we can eau the first integar i.
	s, they are consective odd integers
	so we add 2 and 4 to the first
	integor.
	Therefore, integers one
4	i + (i+1) + (i + 4) = 27%
J	$3\vec{c} + 6 = 273$
	3i = 273 - 4
	$c' = \frac{2687}{}$
	[i = 39] > 0
	so put this value of i in other
	92 (+2 -
	289+2 = 91 70
	9 21+4
	= 89+4 = 93 -3
	So, the three conjective integars are
	99, 91, 93

	(b) 1 reil 1	
	1- 4,16,36,64,7,144	
79 0	To find the missing number.	
	we realized that the given	
	series of numbers is the square	
	of even numbers as	
	4, 16, 36, 64, 100, 144	
	22 42 62 82 122	
	So, the missing number is [100]	
	2- 30, 29, 27, 7, 20, 18	
	To find the missing number,	
	we realized that the giver series	
	of numbers is subtracting the	
	- numbers by sequence like, -1,-2,-3	
	50,	
	30,29,27,24,20,15	
	-1 -2 -3 -4 -5	
	So, the missing no is 129	
	3-1,7,15,25,7,51	
	To find the missing the	
	missing number, we have realized	
	that the given series is a sum of even numbers - starting from 6,50	

(DN06)-
	(a) - on 10 to 10 10 10 10 10 10 10 10 10 10 10 10 10
	Total noters = 10000+8000+15000
	= 16000 33000
	votes recieved by contescant 1= 15000
	" by contestant 2=10000
	" " by antestant 3= 8000
	so the winning condictate is
	contestant 1 0, the percentage
	can be calculated by given formula.
	notes recieved x loo
	Total no of votes
	2 15000 x100
	2 1500 = 45.48 %.
6	13
	0
	(b)
	Angles are in the vatio of 3:4:5
	let the angles be 3x0 4x,5x
	3x+4x+5x=180
	12x=180
	Hence the angles one 45, 60°,75°

	(6)
	Ratio and proportion of boys to
	girls:
	4:6=n:102
	To find no we use mean-extrem
	property of proportions, then simplify,
	4:62 11:142
	4x162=6×0
	408 = 6n
	$n = \frac{408}{6}$
	[n=68]
	Therefore, 68, boys required for such
-	grooping.
*	
	(a)
	The ratiobetween the presentage is 6:7
	After Styeany the vatio become 7:8
	So (6x+5)/(7x+5, =/18
Transaction and the second	48n+40=49n+35
	48n-49n 35-40
	n=15
	Present age of 0.6x5=30