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# **General Science**

**Most important**

**One liner Questions & Answers (Part-01)**

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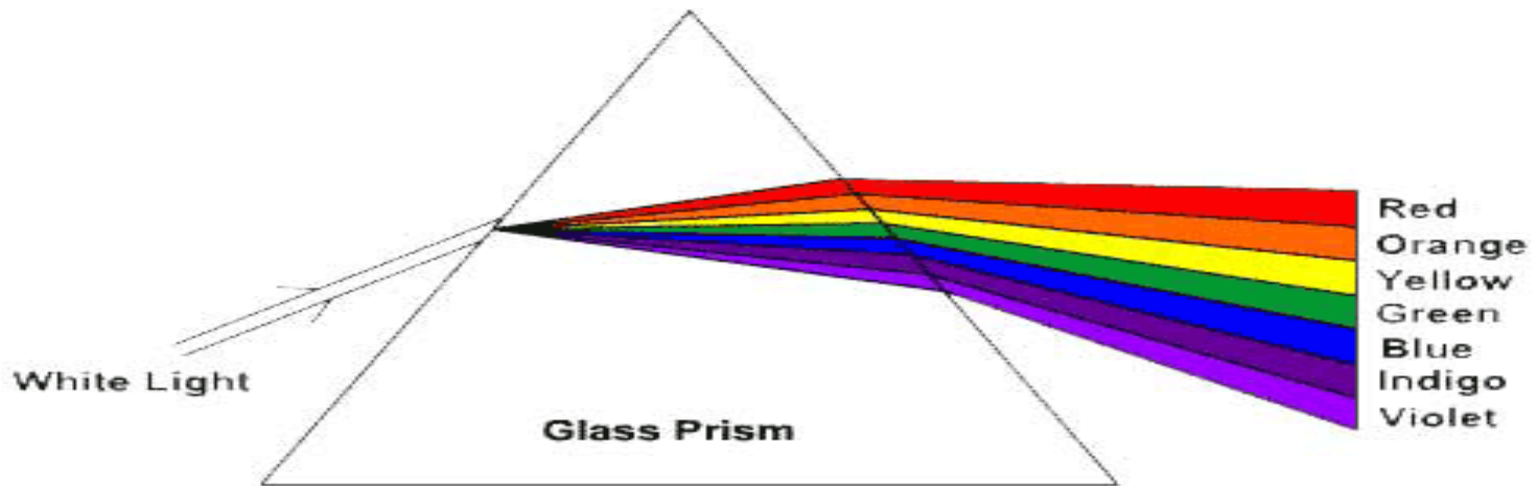
# Which ore contains both calcium and magnesium?

**Dolomite**

Ore Name	Chemical Name	Metal Present
Hematite	Iron Oxide	Iron
Bauxite	Aluminum oxide	Aluminum
Galena	Lead sulphide	Lead
Cinnabar	Mercury Sulphide	Mercury
Malachite	Copper Carbonate	Copper

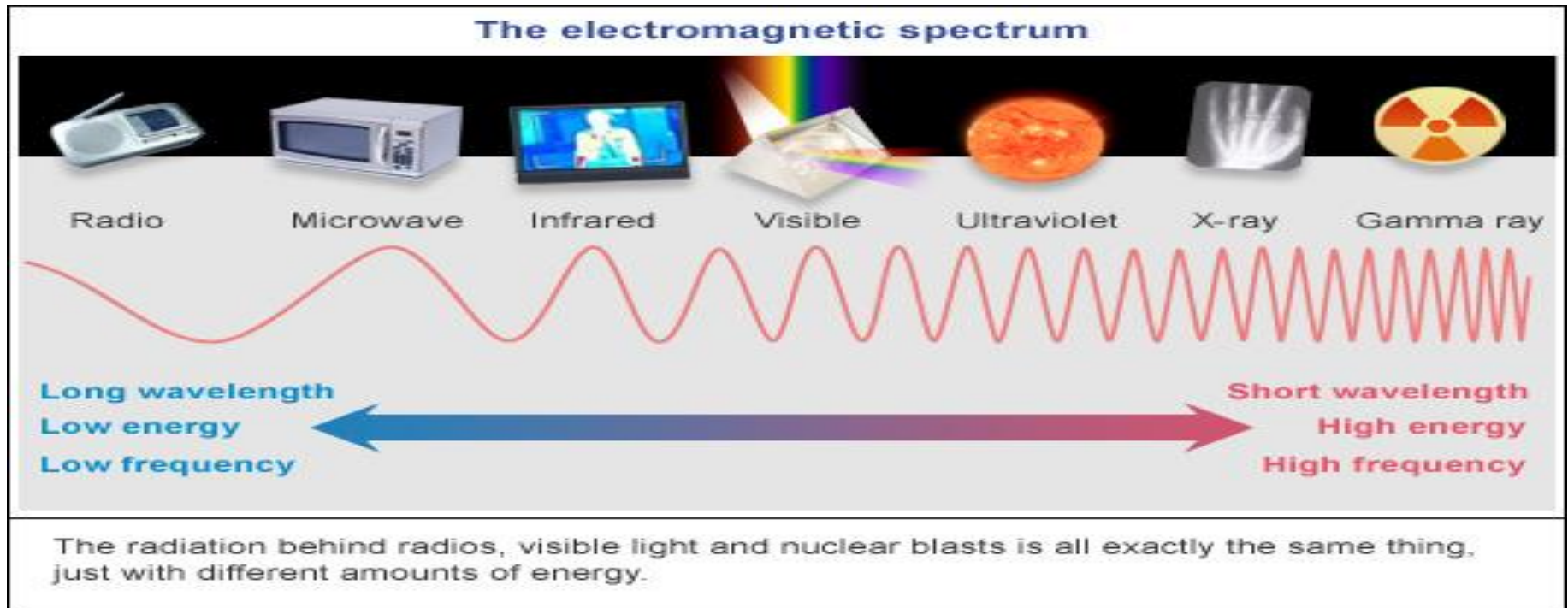
\*When light splits by a glass prism into seven colours, the phenomenon is called?

- (a) reflection of light      (b) refraction of light  
(c) **dispersion of light**      (d) spectrum



Thermal radiations are electromagnetic wave belonging to which region? **Infrared Region**

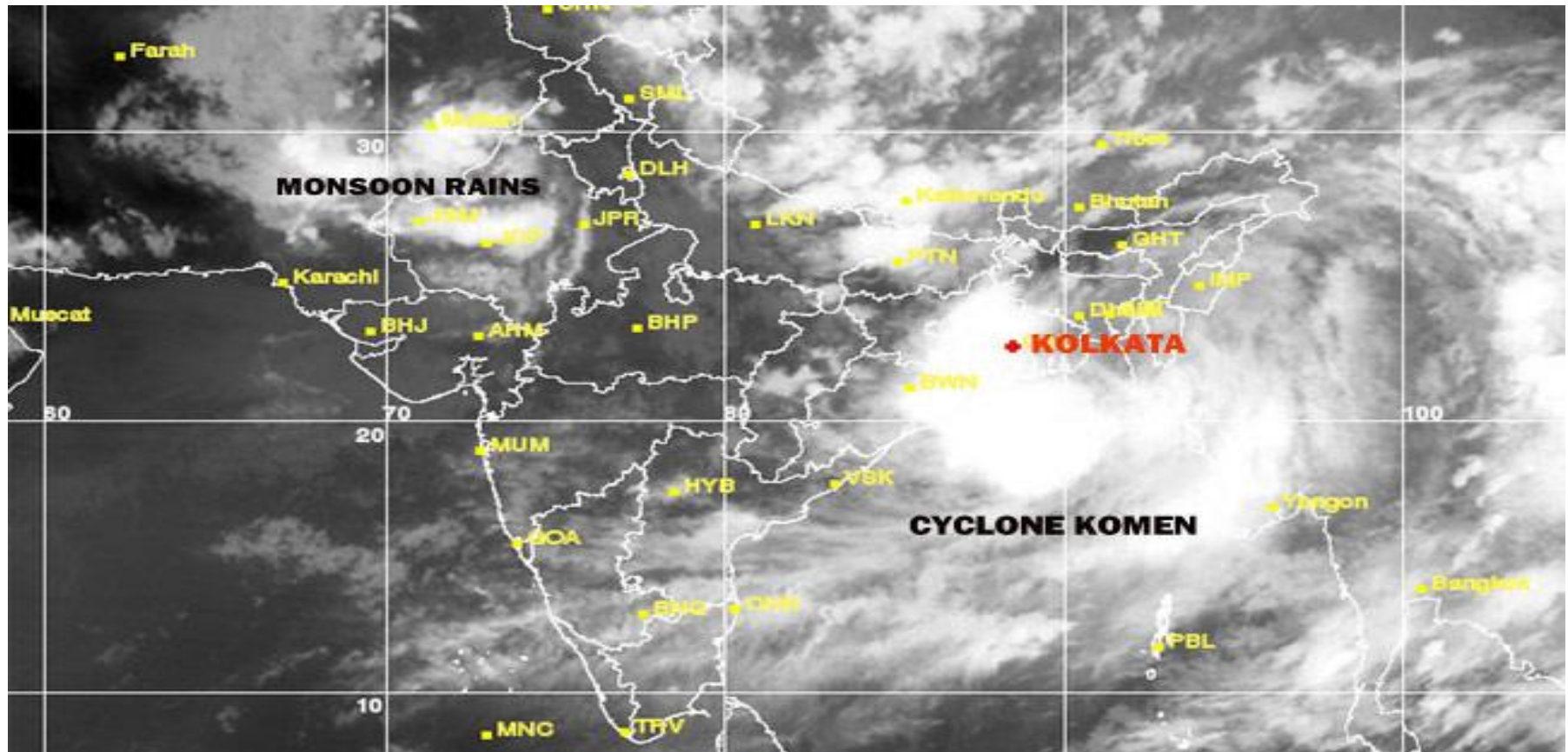
Which electromagnetic wave has the longest wavelength? **Radio**



# Which is the most of India's rainfall?

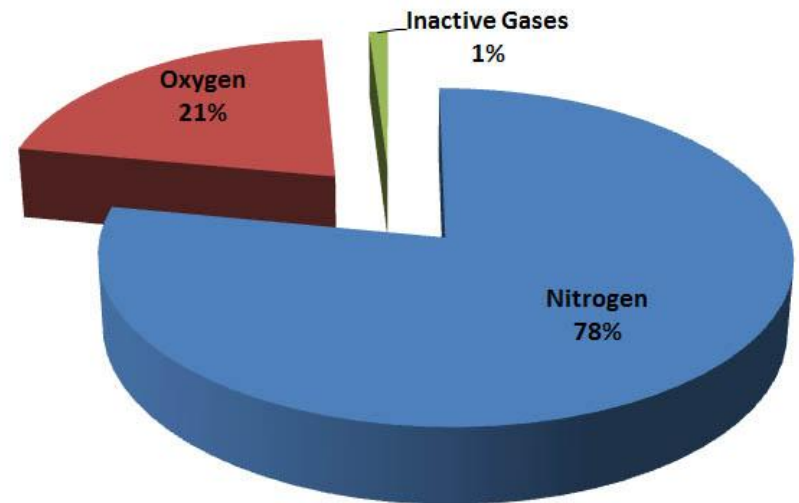
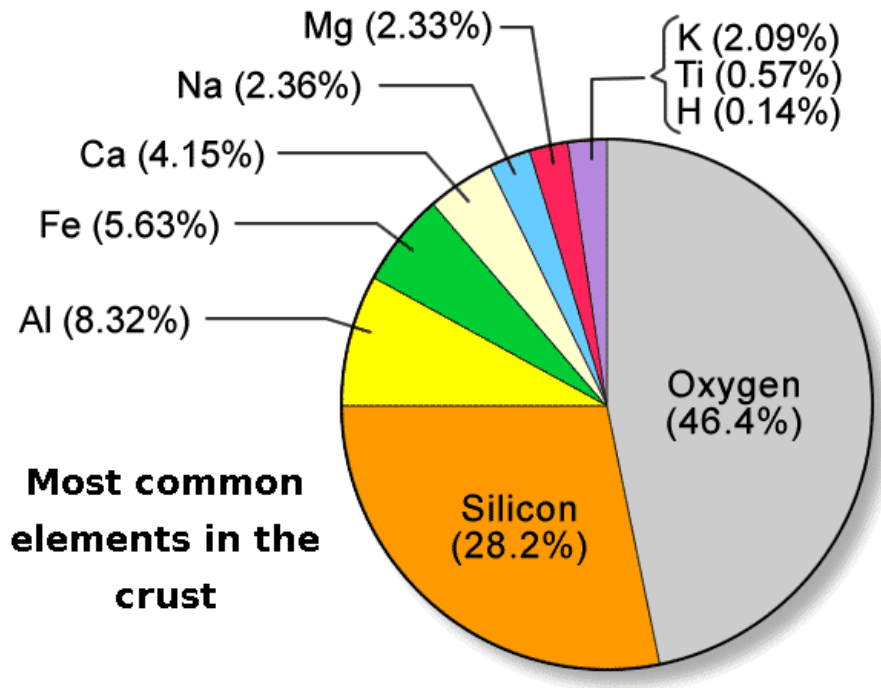
## Cyclonic

- A satellite image shows massive cloud coverage over Rajasthan and movement of cyclone Komen in the Bay of Bengal



Which is present in the largest amount in terms of percent by mass in the Earth's crust

**Oxygen**





Deficiency of which vitamin causes knock-knee, bow legs and pigeon chest in children?

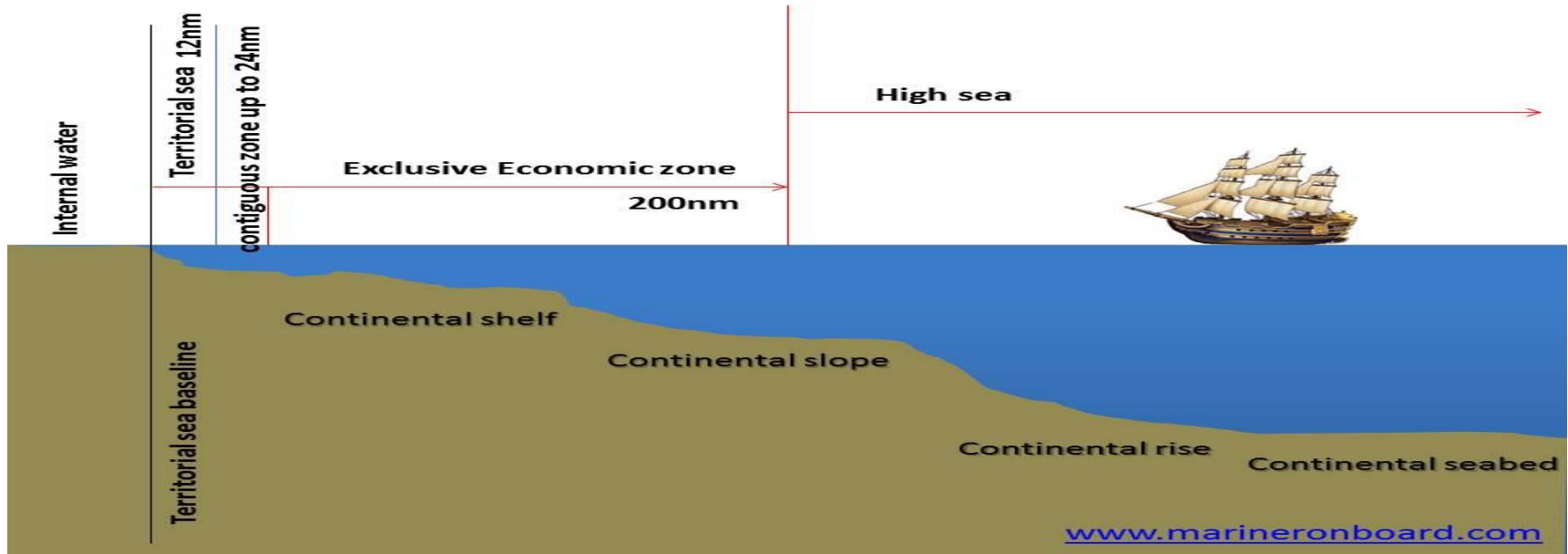
## Vitamin D

<b>Vitamin</b>	<b>Diseases and their symptoms</b>	<b>Available from</b>
A (Retinol)	poor vision, night-blindness	spinach, carrots, butter, mangoes
B <sub>1</sub> (Thiamine)	extreme weakness, beri-beri	eggs, meat, yeast
B <sub>2</sub> (Riboflavin)	retarded growth, bad skin	green leafy vegetables, beans, peas, milk
B <sub>12</sub> (Cyanocobalamin)	anaemia	non-vegetarian food like meat
C (Ascorbic acid)	scurvy, swollen gums, loose teeth	lime, lemon, oranges
D (Calciferol)	rickets, brittle bones in children which break or bend easily	milk, fish, liver oil
K (Phylloquinone)	excessive bleeding due to injury	green leafy vegetables
<b>Diseases Caused due to Deficiency of Minerals</b>		

<b>Name of minerals</b>	<b>Diseases and their symptoms</b>	<b>Available from</b>
Calcium	brittle bones, excessive bleeding, bad muscular movement	milk, green leafy vegetables
Phosphorus	bad teeth and bones	pulses, cereals, milk
Iron	anaemia, lack of red blood cells	green vegetables, pulses, meat
Iodine	goitre, enlarged thyroid gland	fish, salt from sea water
Copper	low appetite, retarded growth	pulses and leafy vegetables

# Indian sovereignty in sea extends up to how many nautical miles?

12



An **exclusive economic zone (EEZ)** is a sea zone prescribed by the United Nations Convention on the Law of the Sea over which a state has special rights regarding the exploration and use of marine resources, including energy production from water and wind. It stretches from the baseline out to 200 nautical miles (nmi) from its coast.



# What is the proportion of red blood corpuscles and white blood corpuscles in human body?

**500 : 1**

Red Blood cell	<i>Erythrocytes</i>	lifetime of about 120 days.
White Blood Cells	<i>Leukocytes</i>	They live for about 3 to 4 days
Platelets (55% of the volume composed of plasma)	<i>Thrombocytes</i>	lifespan of a platelet is normally just 5 to 9 days

Rainbow is formed due to a  
combination of ??

**Dispersion and total internal reflection**

Which is considered as the drug of last resort for human being?

**Streptomycin**

**Streptomycin** is an antibiotic used to treat a number of bacterial infections. This includes tuberculosis, Mycobacterium avium complex, endocarditis, brucellosis, Burkholderia infection, plague, tularemia, and rat bite fever.

Litmus paper used in laboratory from  
which obtained?

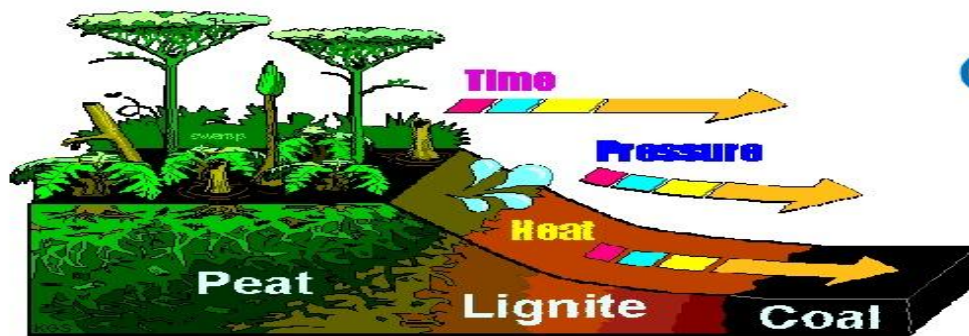
**Lichen**



A **lichen** is a composite organism that arises from algae and/or cyanobacteria living among filaments of a fungus in a symbiotic relationship.

Which is the highest grade of coal whose surface is shining and has the highest calorific value?

**Anthracite**



Coal – Stages of Formation



PEAT



LIGNITE














BITUMINOUS



ANTHRACITE

Plants which lack true roots, stems and leaves are called by which name?

# Thallophytes

Plant Classification			
<div>Bryophytes</div> 	<div>Pteridophytes Tracheophytes</div> 	<div>Gymnosperm Conifer</div> 	<div>Angiosperm</div> 
Non-vascular	Vascular	Vascular	Vascular
seedless	seedless	seeds	seeds
Spores & Haploid Gameotophyte	Spores & Haploid Gameotophyte	<div>Cones</div> - naked seeds	<div>Flowers - fruit</div> w/ seeds
Swimming sperm	Swimming sperm	Pollen & Seeds	Pollen & Seeds
<div>Mosses</div> liverworts	<div>Ferns</div>	Pine, Spruce, Redwood	Lily, Maple, Oak, Rose
	 		  



# Which is the highest peak in South India?

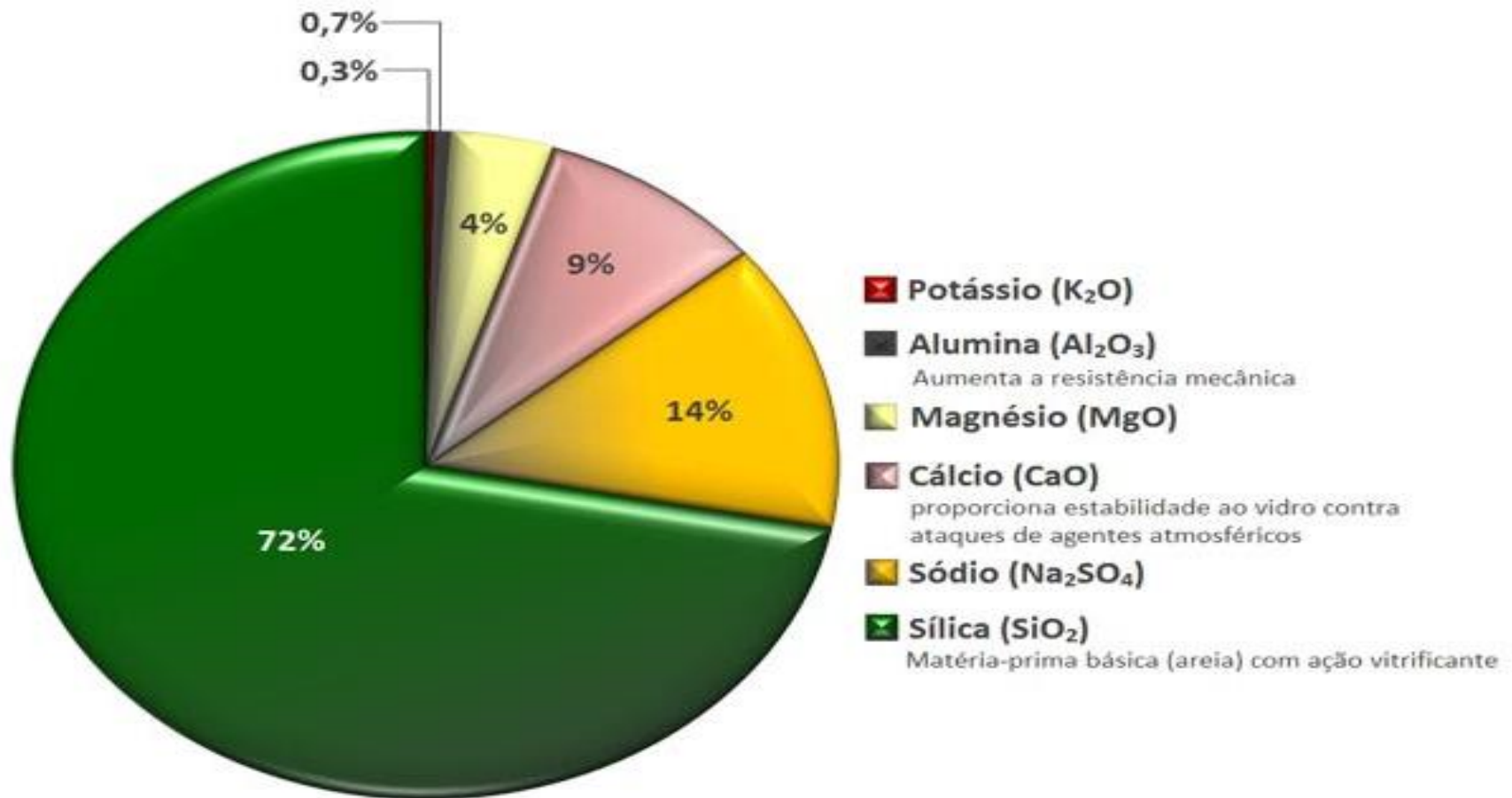
## Anaimudi



**Anamudi or Anai Mudi** is a mountain located in the Indian state of Kerala. It is the highest peak in the Western Ghats and South India, at an elevation of 2,695 metres, and a topographic prominence of 2,479 metres.

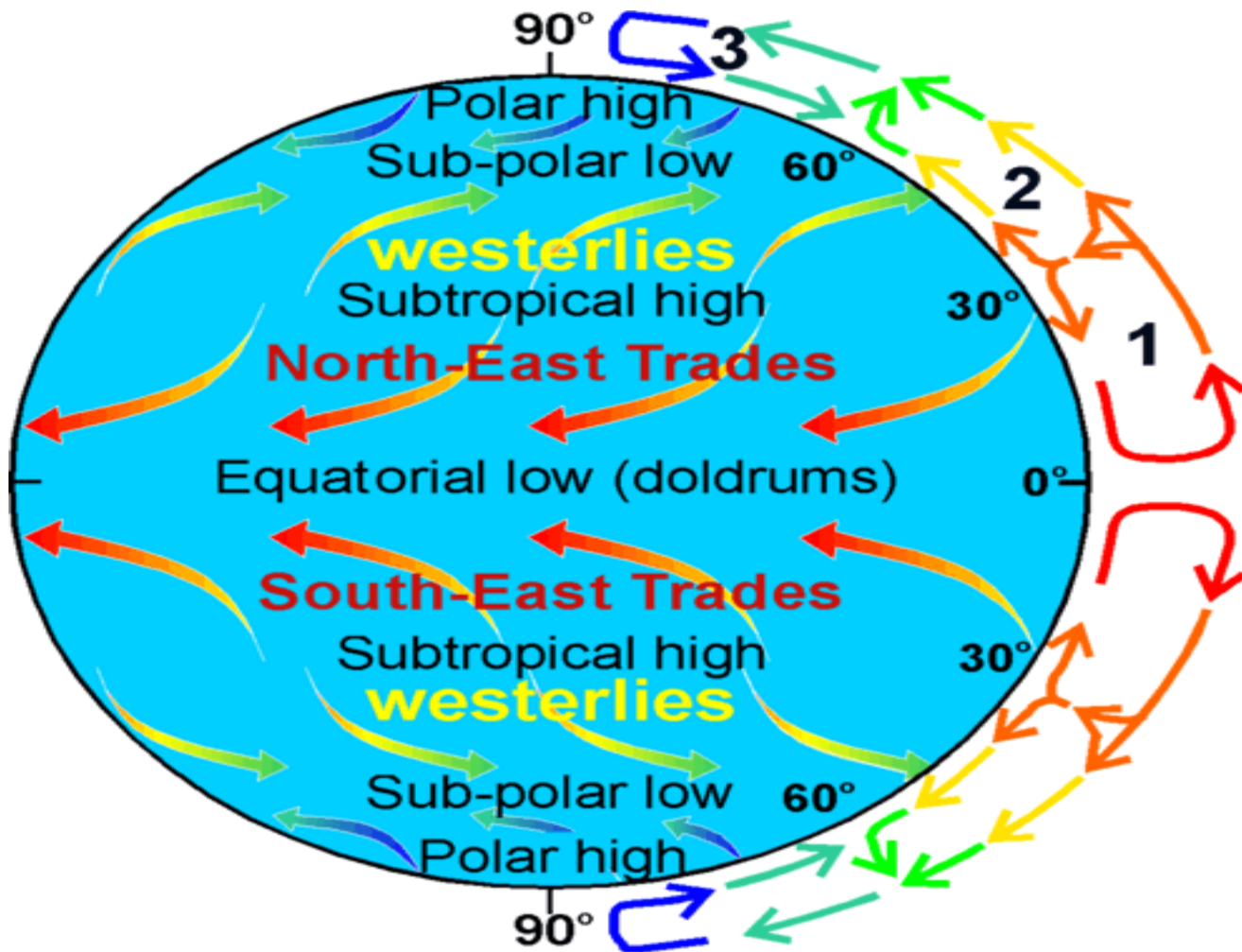
# Glass is made of the mixture of which things?

## Sand and silicates



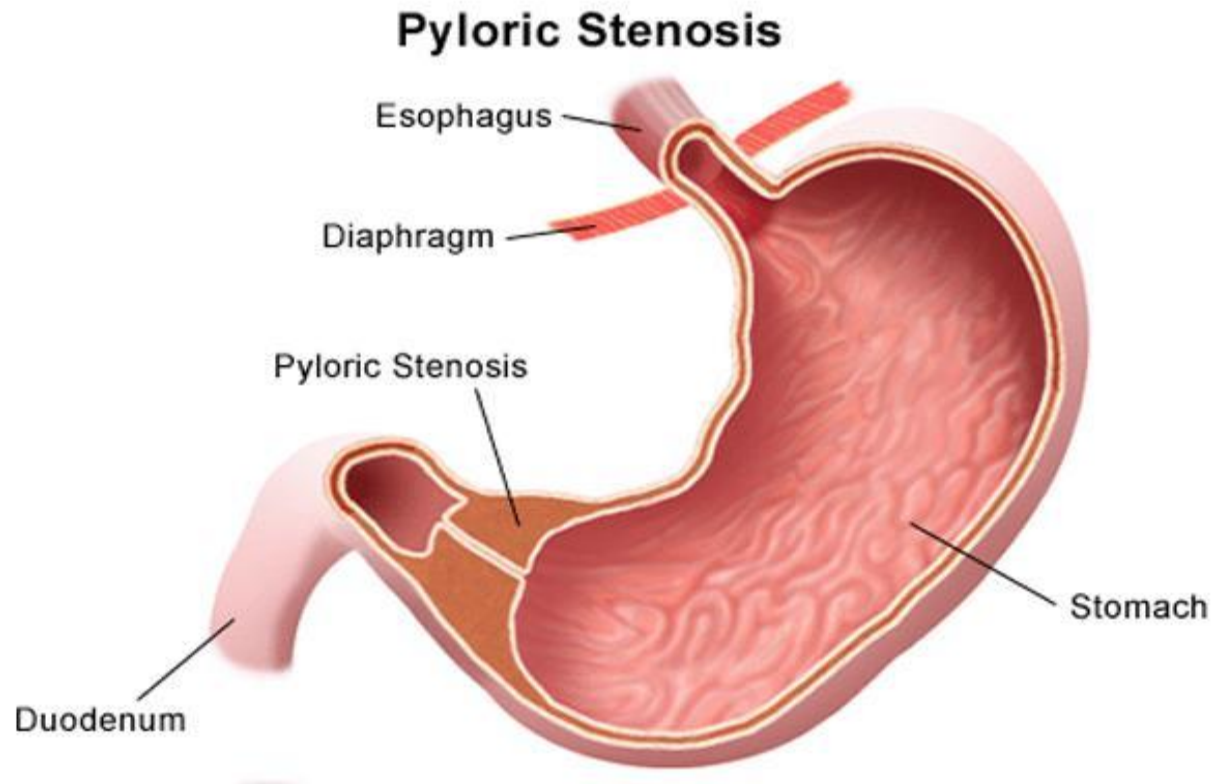
# What are the Doldrums?

## Equatorial zone with low pressure



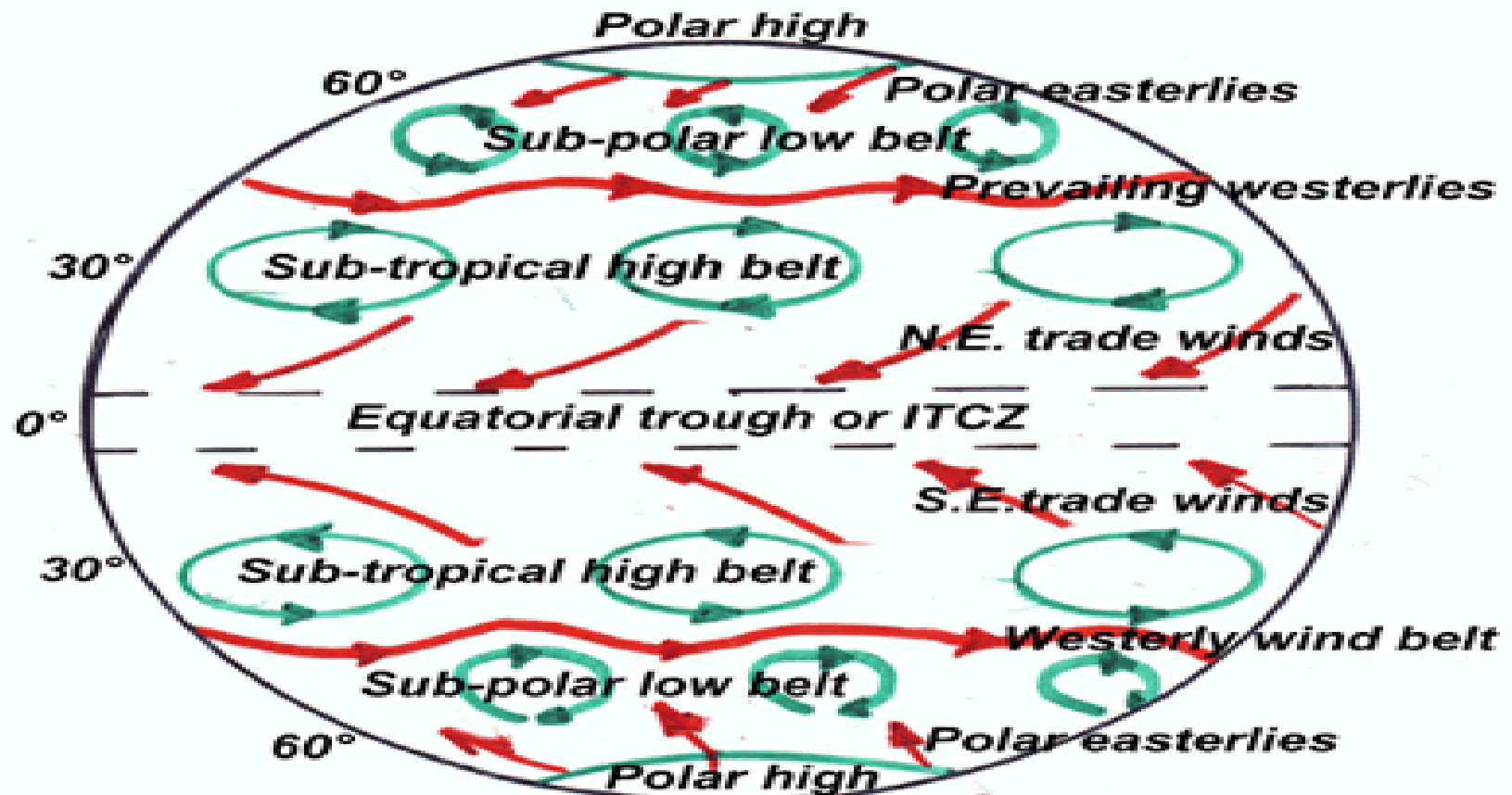
In human beings, What is the opening of the stomach into the small Intestine called?

**Pylorus**



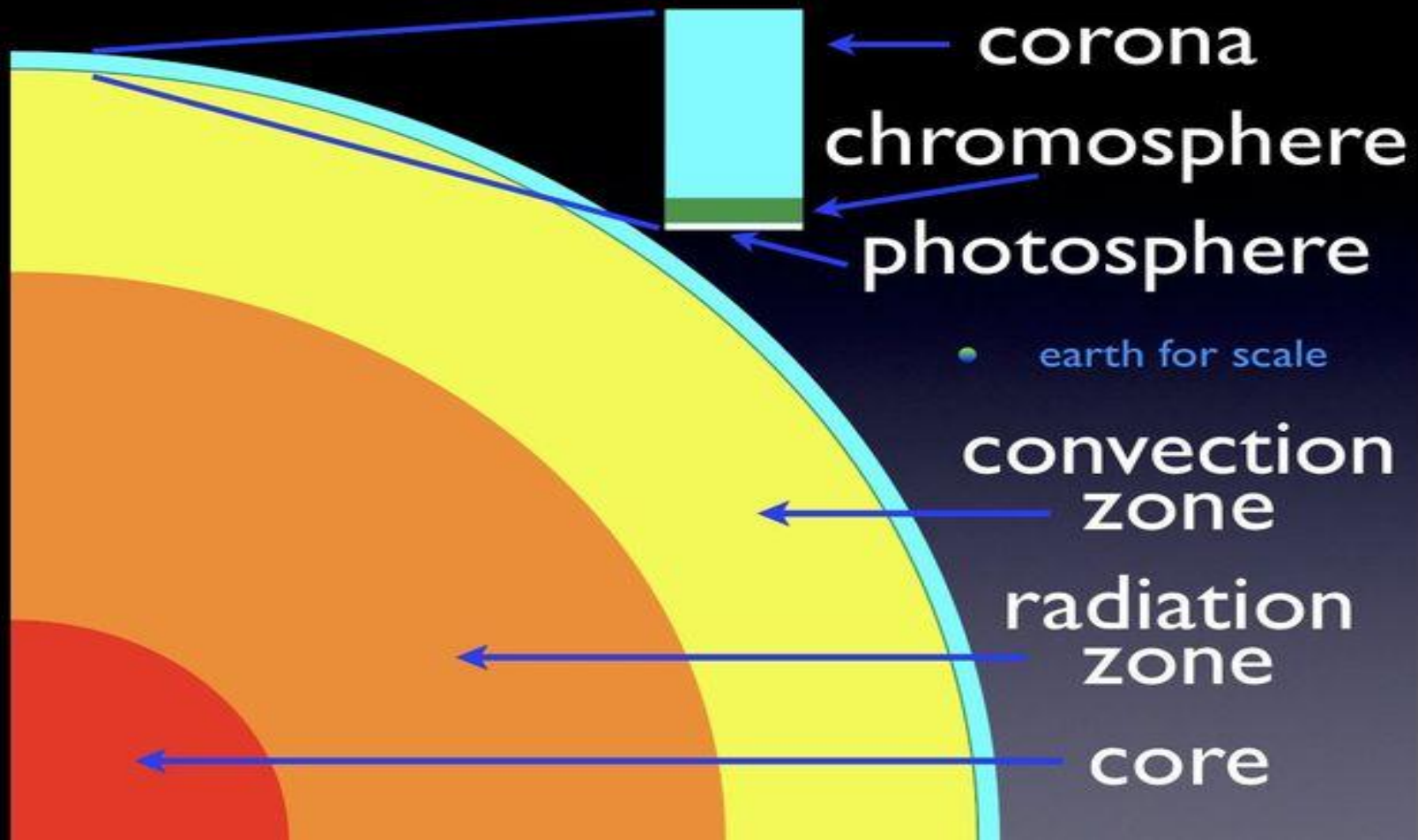
Which winds are flowing from sub tropical high pressure to sub polar low pressure?

**Westerlies**



# What is the outermost layer of Sun called?

**Corona**





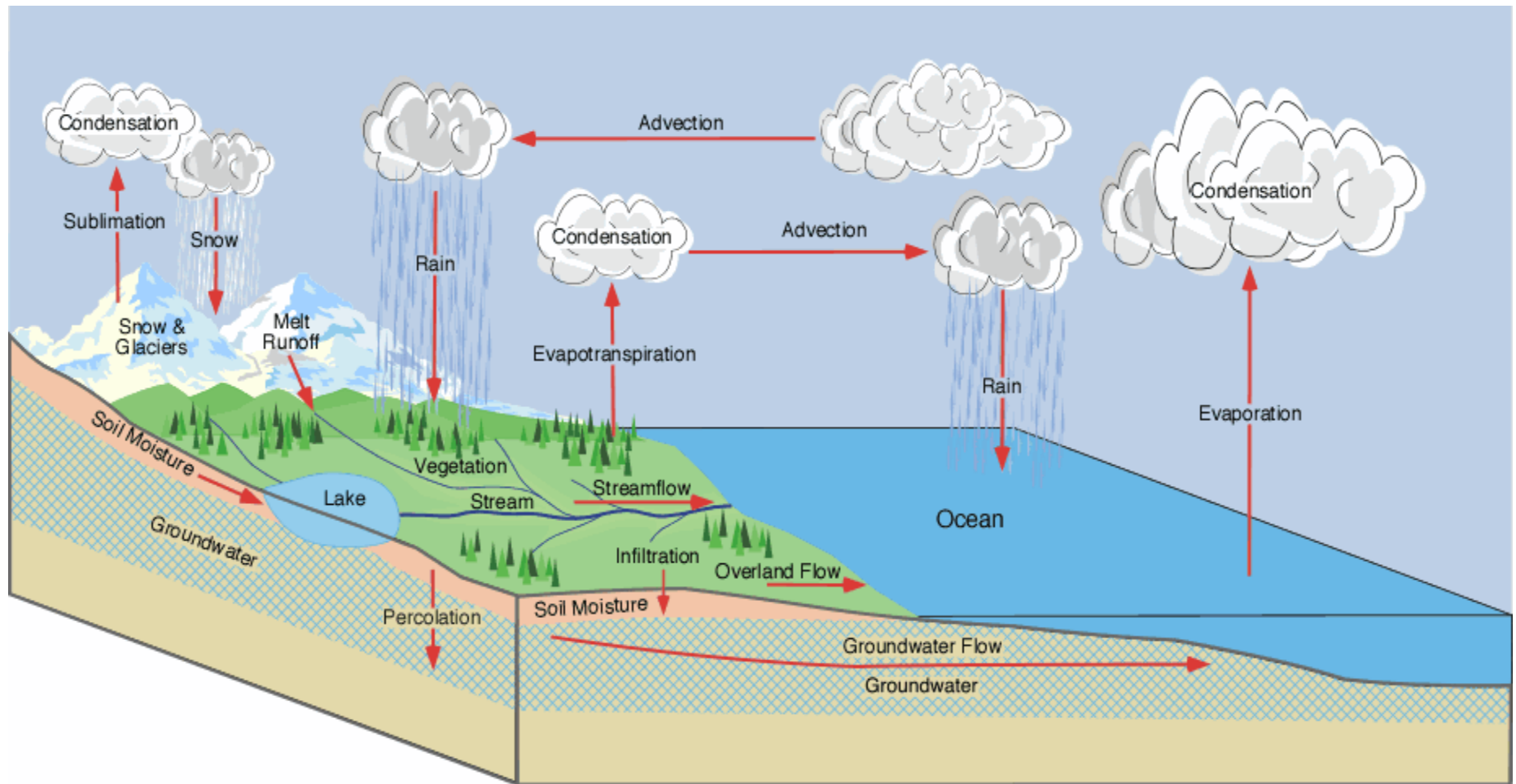
Which kinds of lenses are used to treat  
Astigmatism ?

**Cylindrical**

**Astigmatism** is a type of refractive error in which the eye does not focus light evenly on the retina. This results in distorted or blurred vision at all distances.

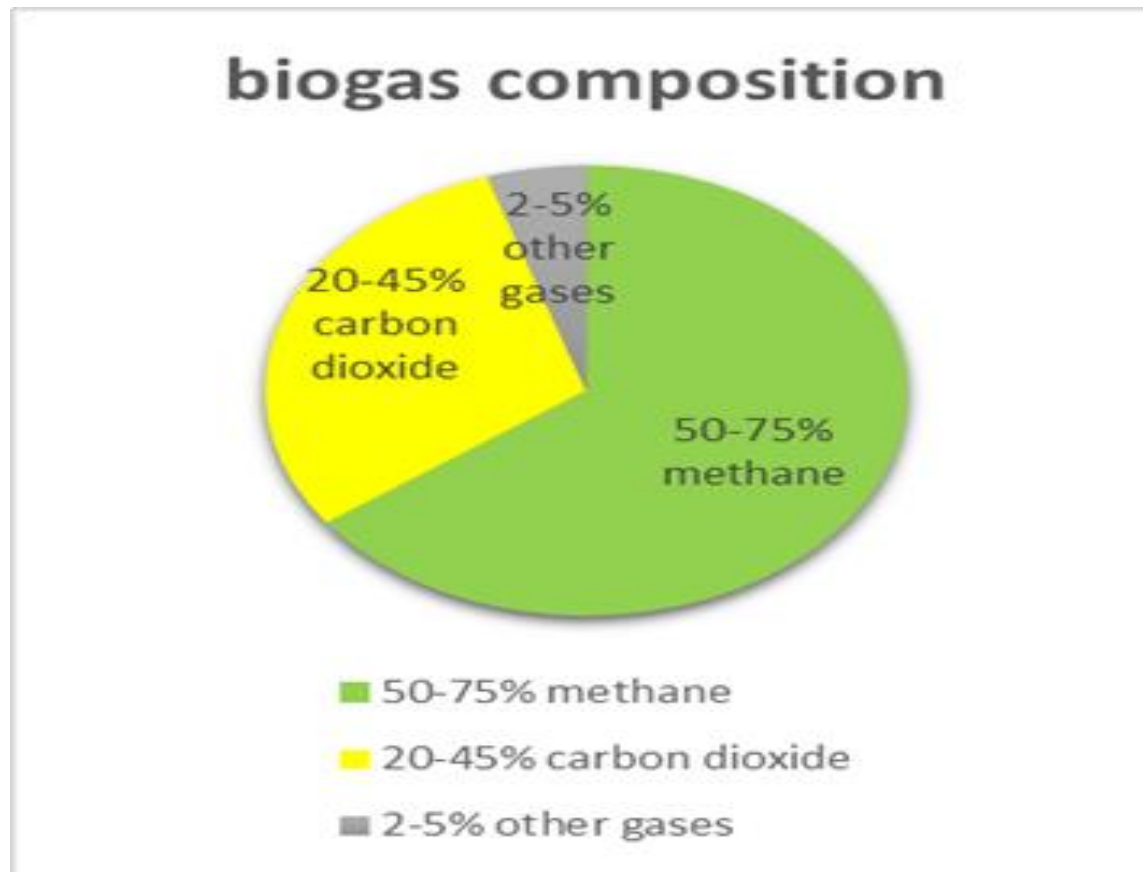
# What is the largest ecosystem of the Earth?

## Hydrosphere



# Which is a major constituent of Biogas?

## Methane



Cooking gas is a mixture of which gases?

**Propane and Butane**

Liquefied Petroleum Gas (LPG)	
Propane (C <sub>3</sub> H <sub>8</sub> )	Butane (C <sub>4</sub> H <sub>10</sub> )

What is a mixture of potassium nitrate,  
powdered charcoal and sulphur called  
**Gun powder**



Which Pollination takes place with the help of water is called?

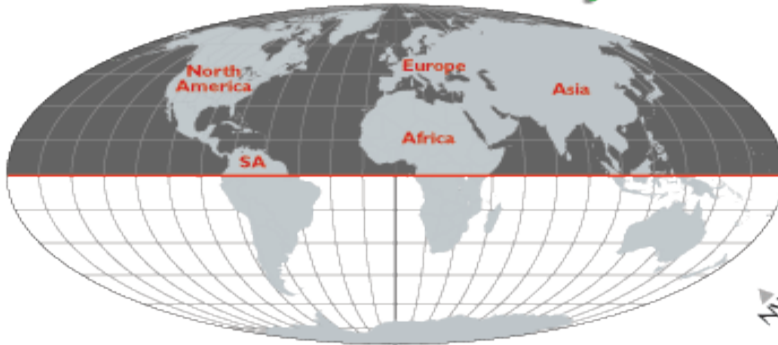
**Hydrophyily**



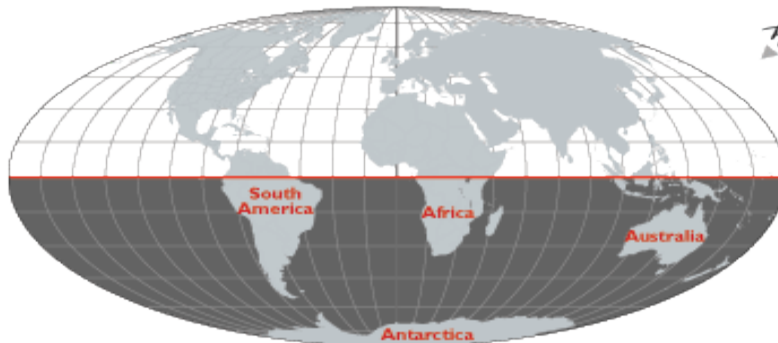
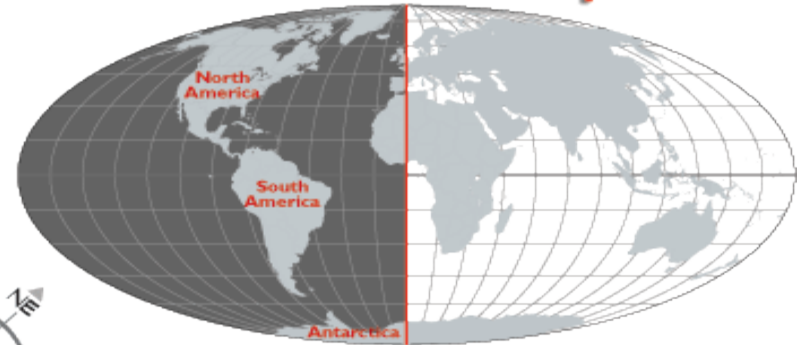
# In which hemisphere does India lie?

## Northern and eastern

### Northern Hemisphere



### Western Hemisphere

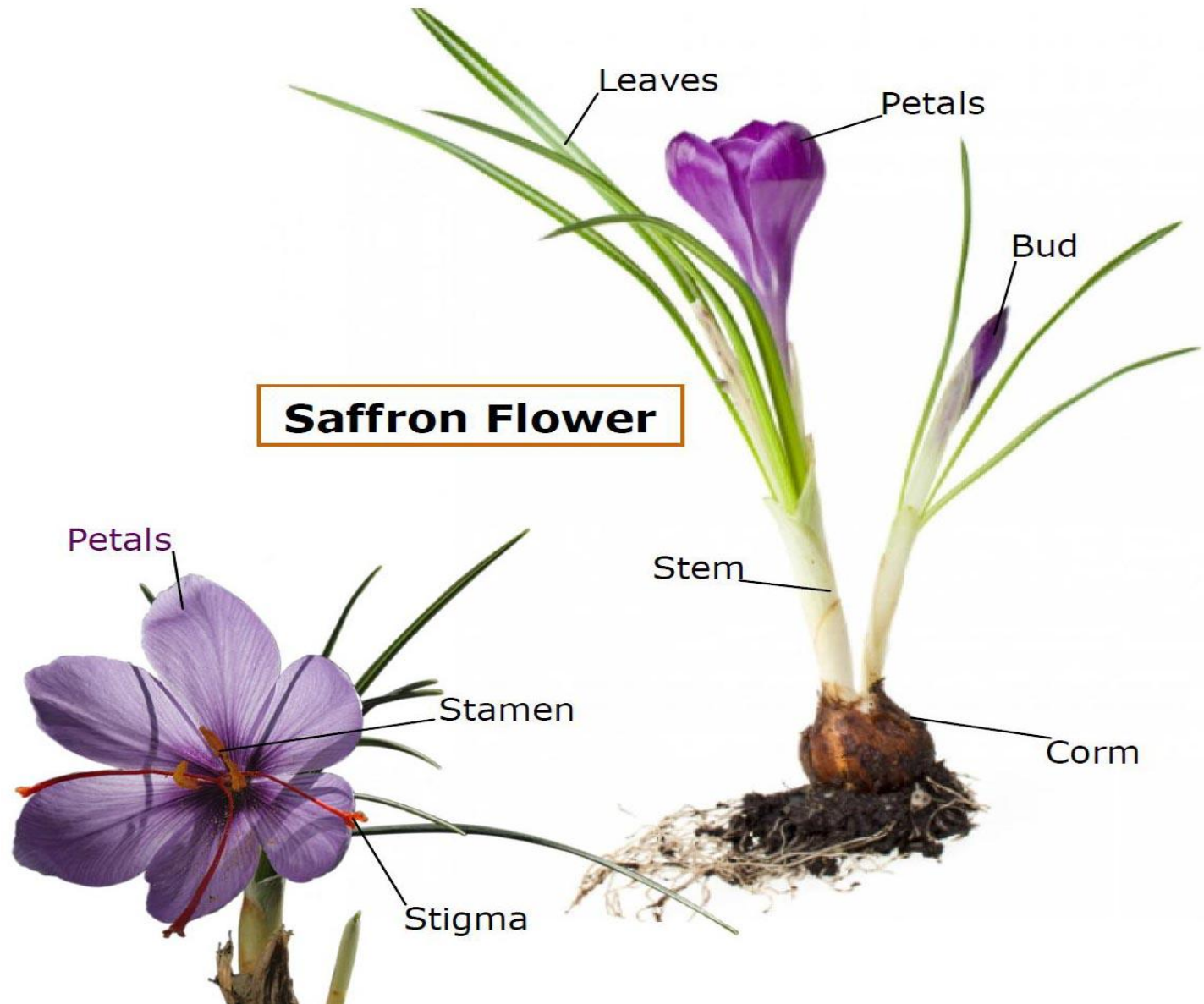


### Southern Hemisphere

### Eastern Hemisphere

Spice saffron is obtained from which part of plant?

**Stigma**



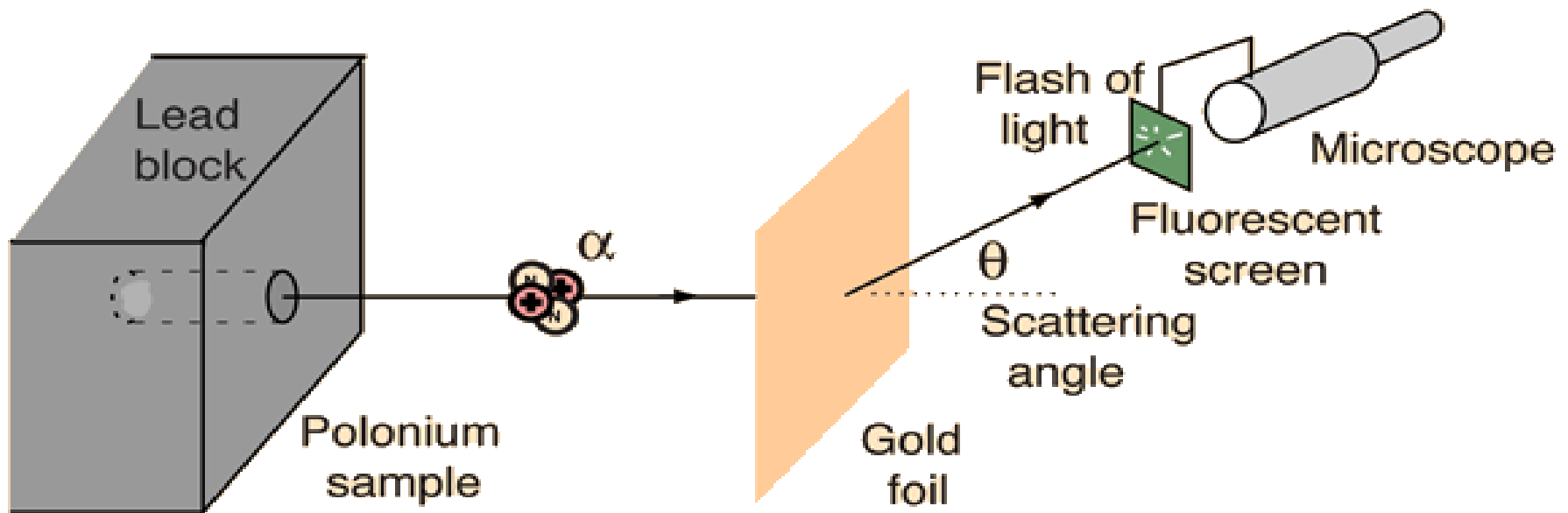
# What is the permissible level of noise in a silent zone at daytime?

**75db**

NIOSH Daily Permissible Noise Level Exposure (before permanent hearing loss)	
Hours per day	Sound level
8	85dBA
6	86dBA
4	88dBA
3	89dBA
2	90dBA
1.5	92dBA
.5	94dBA
.25 or less	100dBA
0	112dBA
Find additional information at: <a href="http://www.cdc.gov/niosh/docs/98-126/pdfs/98-126.pdf">http://www.cdc.gov/niosh/docs/98-126/pdfs/98-126.pdf</a>	

# Rutherford's scattering experiment related to the size of which thing?

## Nucleus



**Rutherford's** alpha particle **scattering experiment** shows the presence of nucleus in the atom

Which type of cell has the ability to develop into any type of all?

## **Stem Cells**

**Stem cells** are mother cells that have the potential to become any type of cell in the body. One of the main characteristics of **stem cells** is their ability to self-renewable



# Which gas is absorbed during photosynthesis?

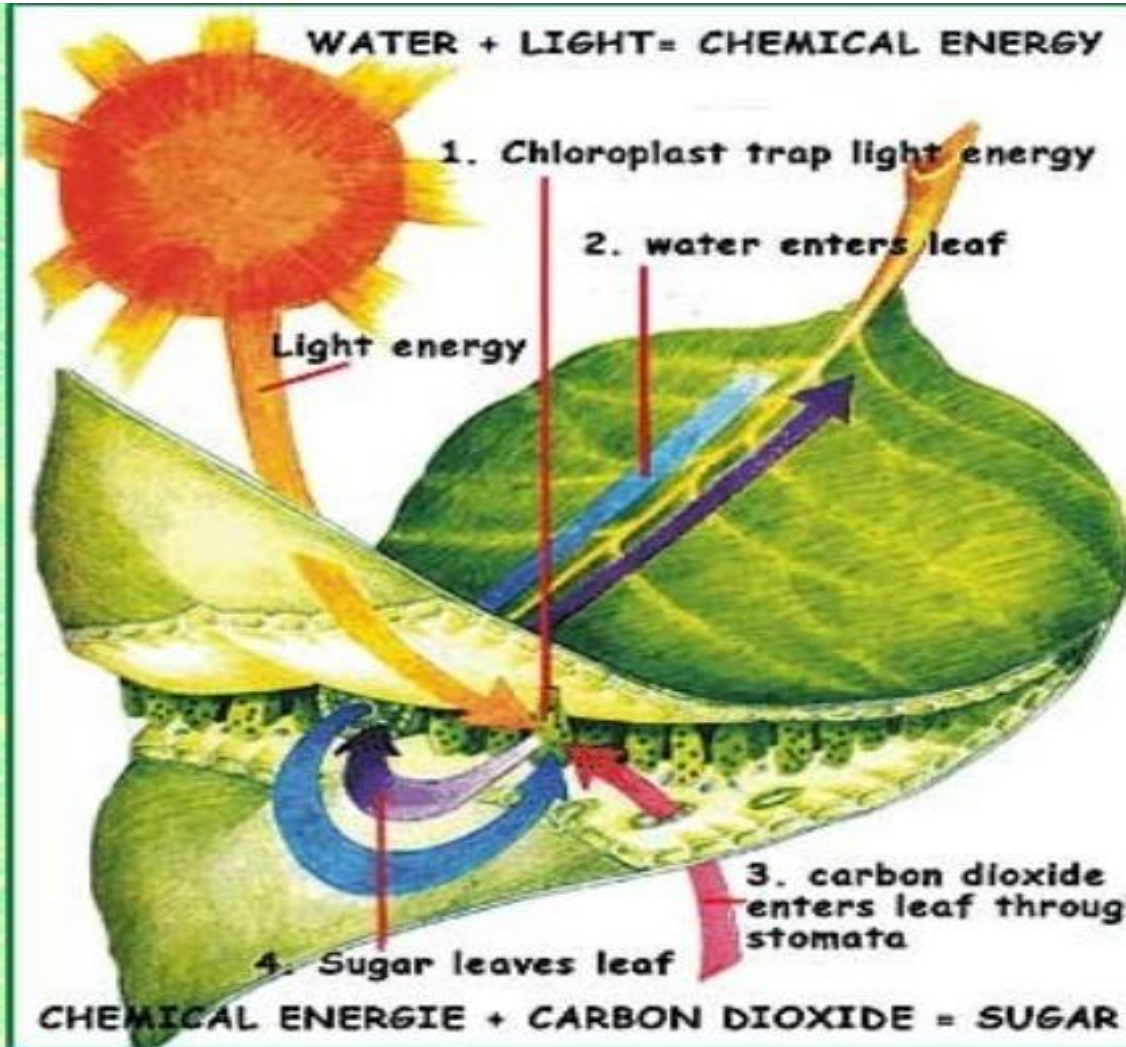
**CO<sub>2</sub>**

•**Photosynthesis**-  
process by which  
plants turn sunlight  
into energy (food)

HSW: video  
Autotrophs vs.  
Heterotrophs (1 min)

HSW: Photosynthesis:

[http://www.grow-a-head.com/index/index.php?option=com\\_content&task=view&id=24&Itemid=62](http://www.grow-a-head.com/index/index.php?option=com_content&task=view&id=24&Itemid=62)





For crop does India have the largest cultivated area in the world?

**Rice**

Which is used as a fuel in Nuclear power stations in India?

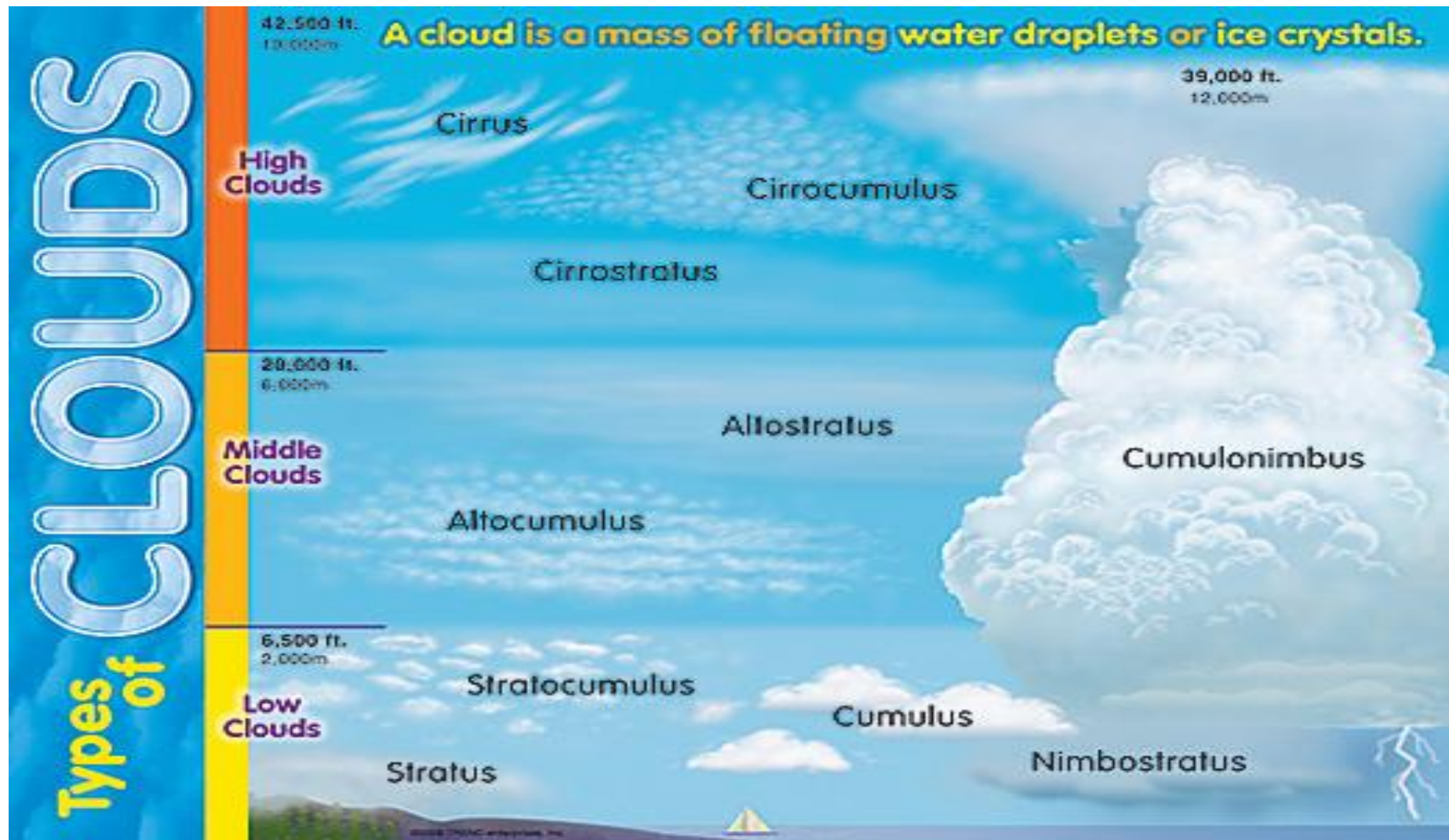
**Thorium**

What is the capital of Lakshadweep?

**Kavaratti**

# The albedo of which cloud is the highest?

## Cirrus cloud



# Which glass is used in bullet proof screens?

## Reinforced glass



Normal  
Glass



Bullet proof  
glass  
consisting of  
normal glass  
(blue) and  
polycarbonate  
(red) layers

Because of which factor, clouds do not precipitate in deserts?

**Low humidity**

For a body moving with constant speed in a horizontal circle, what remains constant?

**KE**

$$E_k = \frac{1}{2}mv^2$$

*$E_k$  = kinetic energy of object*

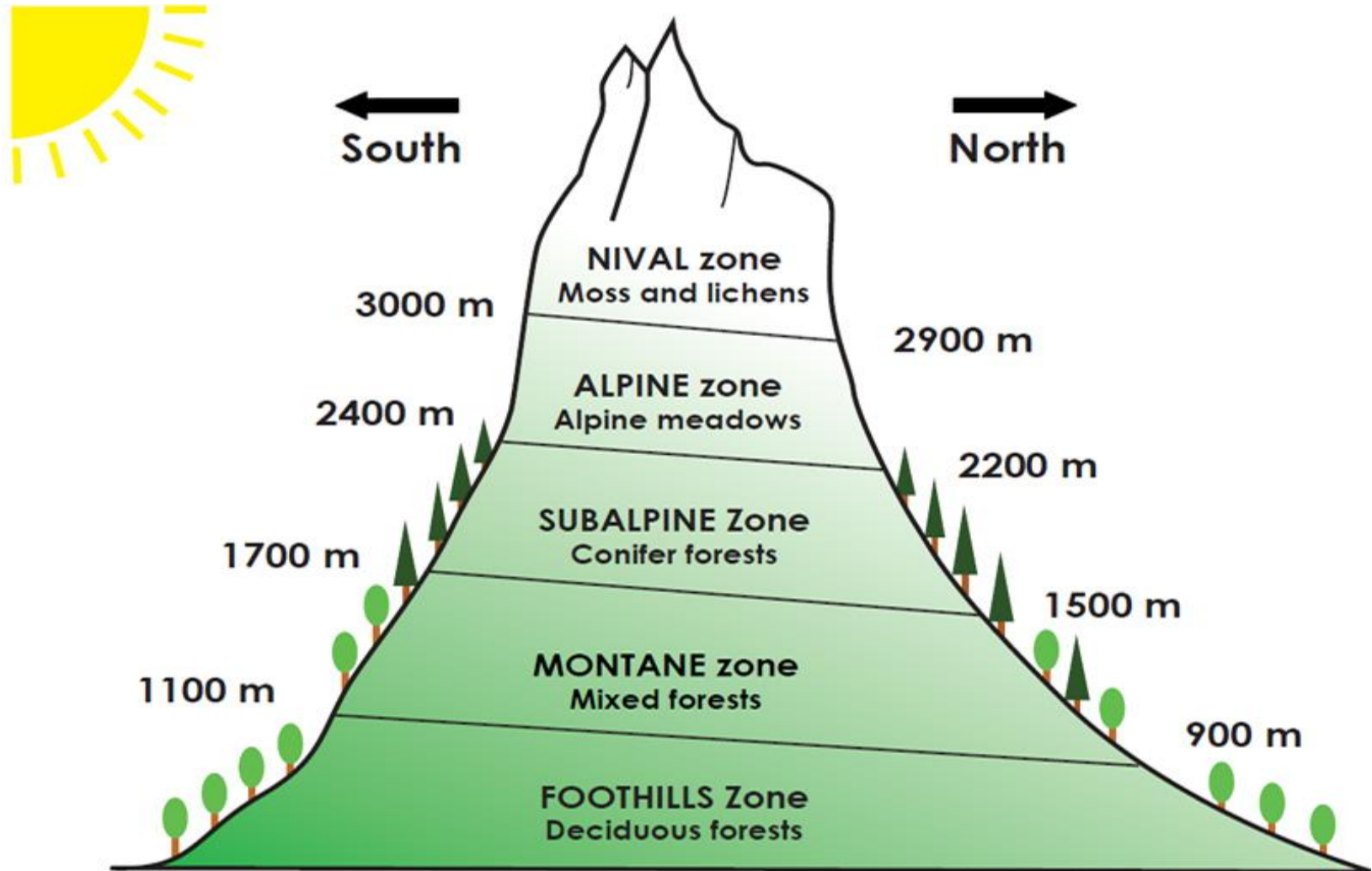
*$m$  = mass of object*

*$v$  = speed of object*



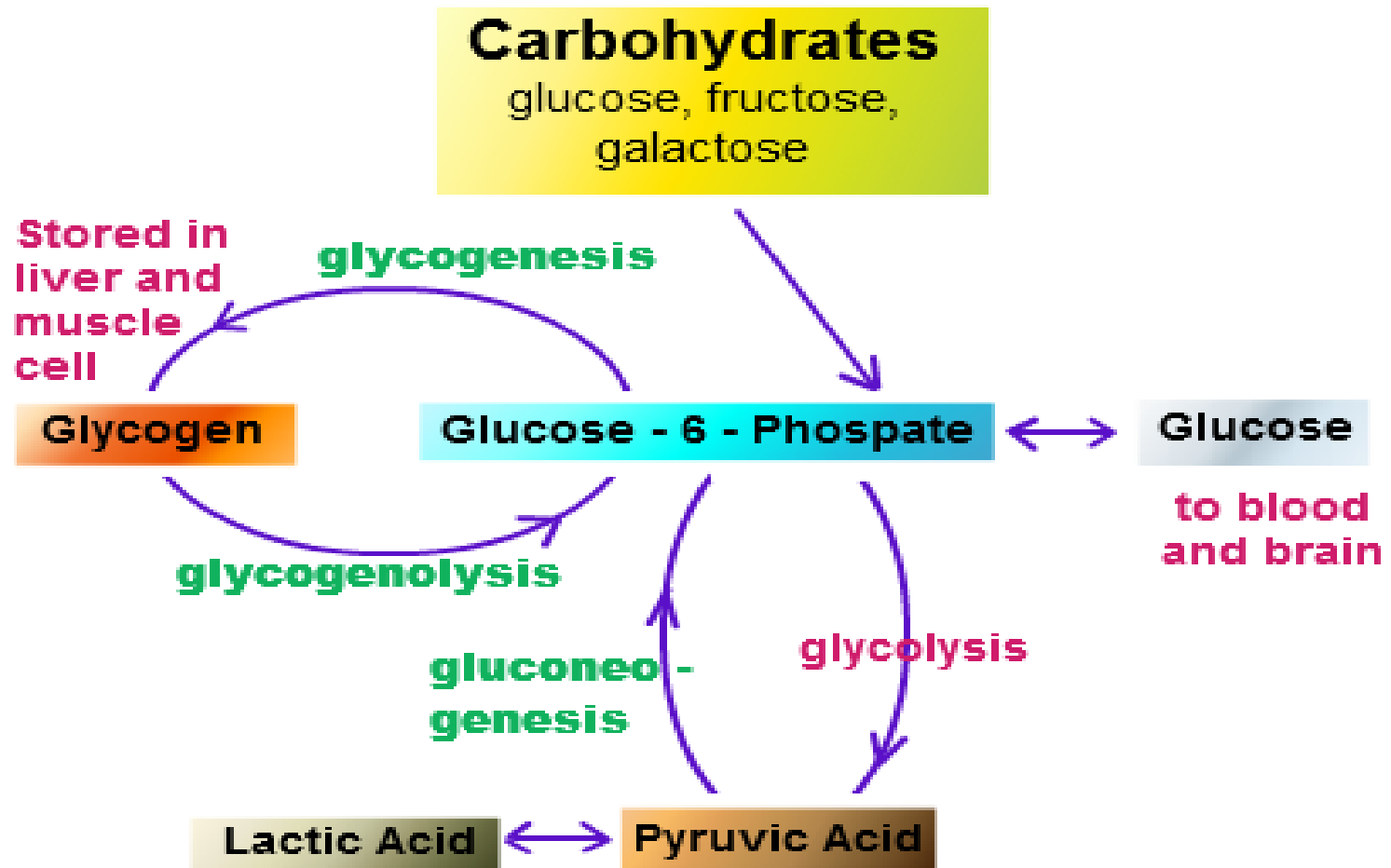
The high altitude tropical forest which has dwarfed trees is known by which name?

**Elfm forest**



# The food material in fungi is stored in which form?

## Glycogen



Which is a free living bacteria that help in nitrogen fixation?

**Azotobacter**

Present in Nodulated root of plants

Which bacteria helps in improving the soil fertility? **Rhizobium**

The sun is visible a little before the actual sunrise because of which reaction?

**Atmospheric refraction**



**Atmospheric Refraction**

**The Sunset**

Which Bacteria commonly lives in the  
intestine of human?

**Escherichia coli**

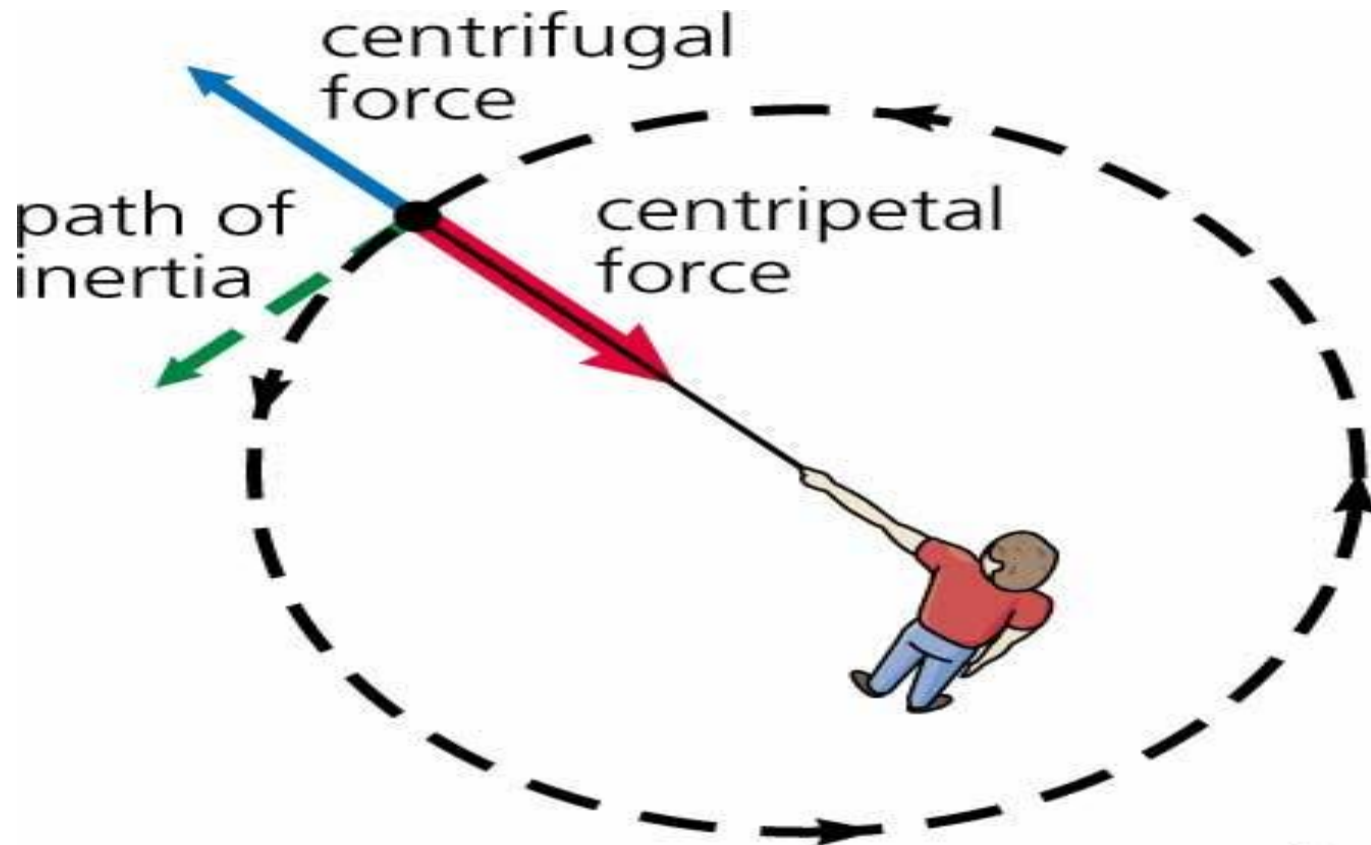
# What is the minimum forest cover to maintain ecological balance?

**33%**



By which force can fat be separated from milk in a cream separator?

Centrifugal force



Precision Graphics



El Nino current appears along the  
coast of which country?

**Peru**

Who appoints the Governor of Jammu  
and Kashmir?

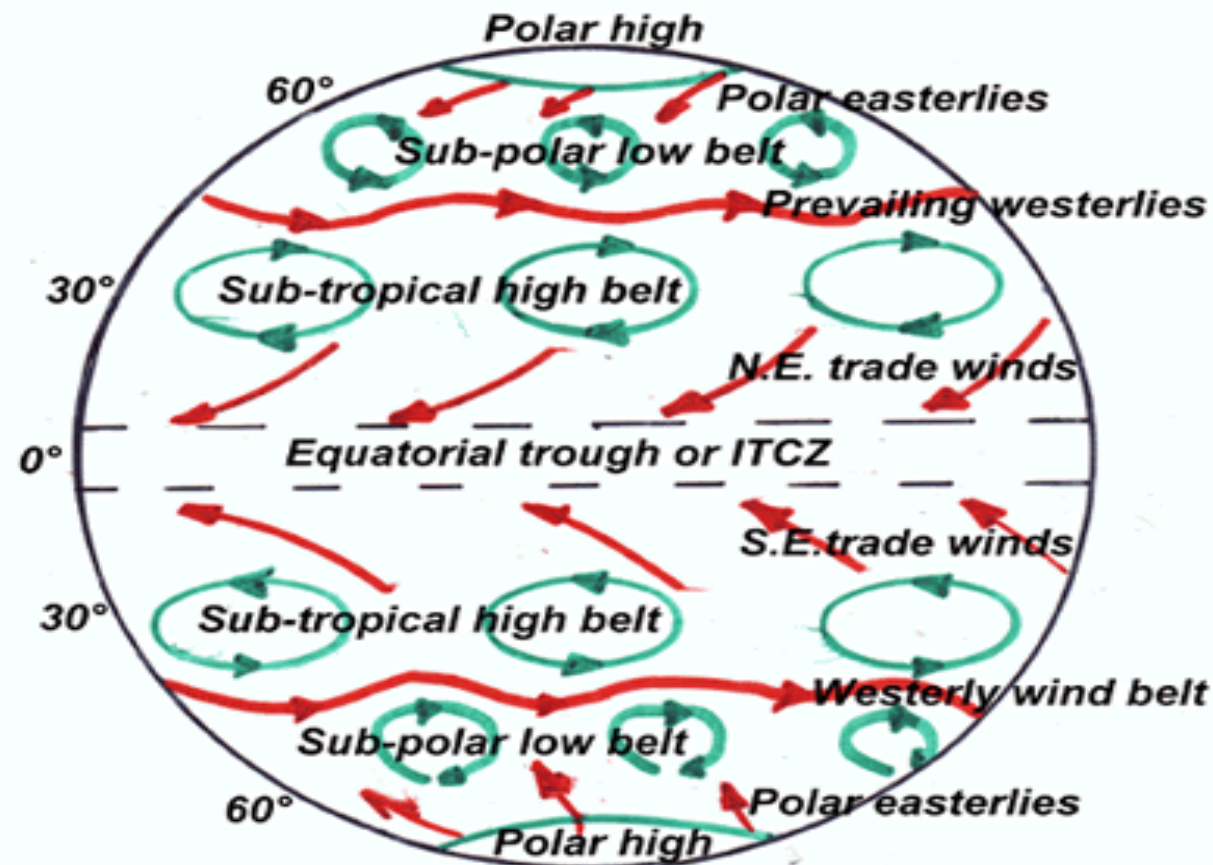
**President**

If we move from the equator to a pole,  
what will be the value of  $g$ ?

**Increases**

Why are In the northern hemisphere,  
currents deflected to their right?

**Due to coriolis force**

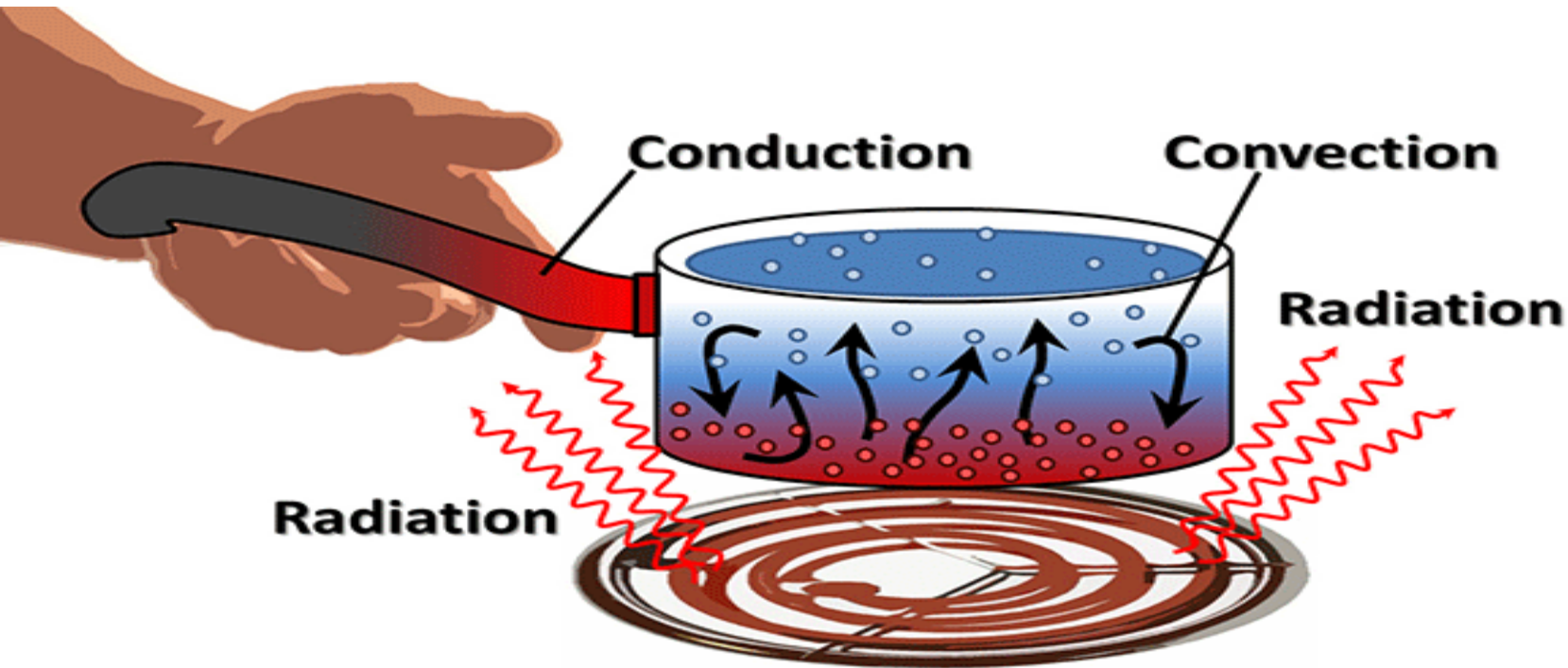


Which law of thermodynamics introduces the concept of entropy?

**Second law**

# What is the principle by which a cooling system (Radiator) in a motor car works?

## Convection



**Convection** is heat transfer by mass motion of a fluid such as air or water when the heated fluid is caused to move away from the source of heat, carrying energy with it

Thermal **conduction** is the transfer of heat (internal energy) by microscopic collisions of particles and movement of electrons within a body.

What does Nail polish remover  
contain?

**Acetone**



Which tissue in man where no cell division, occurs after birth?

**Nerves**

Chlorine acts as a bleaching agent only  
in the presence of which thing?

**Moisture**

Which are the The best and the poorest  
conductors of heat respectively?

**Silver (Ag), and lead (Pb)**

Which colloidal solution is used in photography?

**Colloidal silver bromine**

**Bromine** is the only nonmetal element that naturally takes form as a liquid under normal circumstances. It easily evaporates, and in its gaseous state has a smell similar to that of **chlorine**.

# Where are diesel locomotives manufactured?

## Varanasi

- ❑ Chittaranjan Locomotive Works, Chittaranjan.
- ❑ Diesel Loco Modernisation Works, Patiala.
- ❑ Integral Coach Factory, Chennai.
- ❑ Rail Coach Factory, Kapurthala.
- ❑ Rail Wheel Factory, Bangalore.

During the fermentation of sugar, which enzyme converts glucose into ethyl alcohol?

**zymase**



Which human organ is most susceptible to harmful radiations?

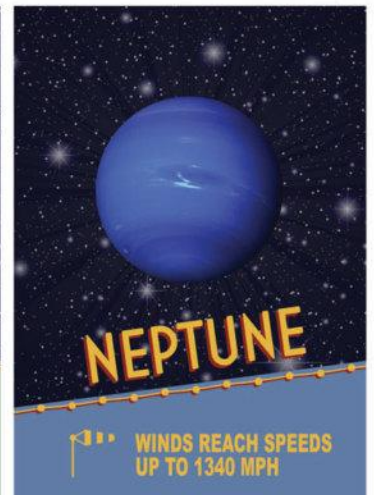
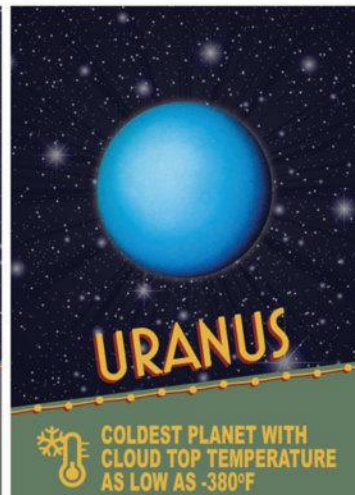
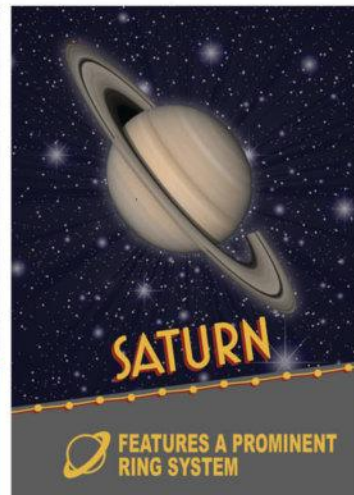
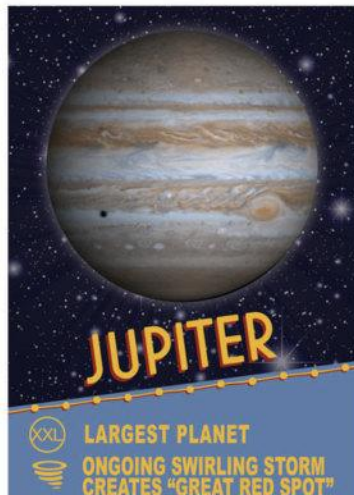
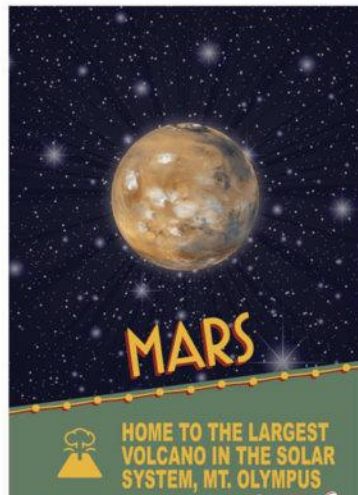
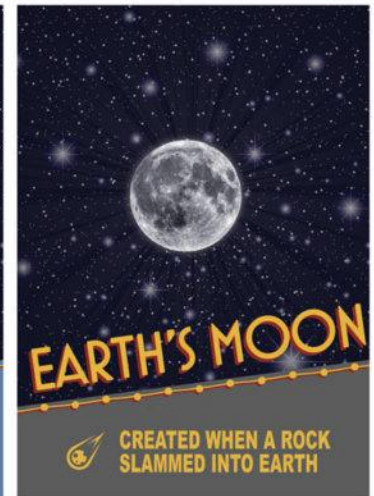
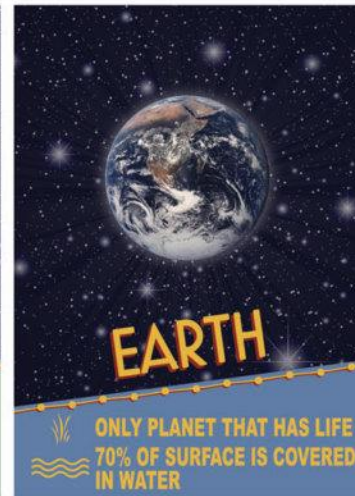
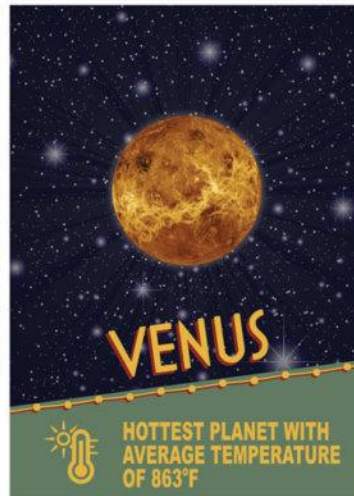
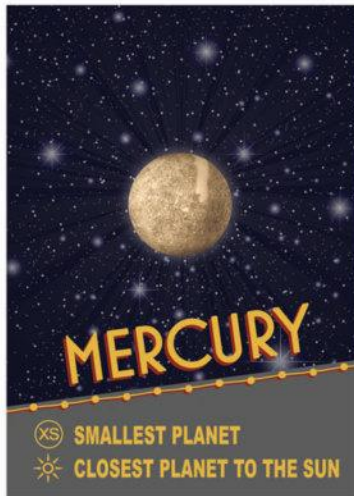
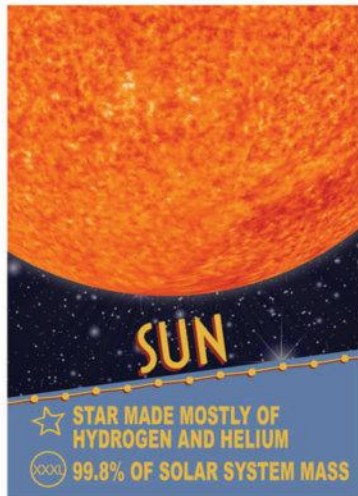
**Lungs**

A person feel fatigued due to deposition of which acid in their muscles?

**Lactic Acid**

# Which planet take maximum time for one revolution around the Sun?

## Jupiter



When the wind is deflected due to the rotation of the Earth, what is it called?

**Geostrophic wind**

Which is used in storage batteries?

**Lead**

The problem of leaching of the soil is more pronounced in the areas how rainfall is there?

**Heavy rainfall**

What is most suitable for the core of an electromagnet?

**Soft iron**



Which insect spreads kala-azar?

**Sand fly**

Which is the main ingredient in cement?

**Lime stone**

Which industry produces the most non-biodegradable wastes?

**Thermal power plants**

Which peninsular river is westward  
flowing?

**Tapti**

A convex mirror makes a good rear-view mirror for a car. Why?

**It forms erect, reduced images**

Which type of the fruit formed without fertilisation?

**Parthenocarpy**

Indian first took part in the Olympic Games in which year?

**1920 Antwerp, Belgium**

**India** first participated at the **Olympic** Games in 1900, with a lone athlete (Norman Pritchard) winning two medals- both silver- in athletics. The nation first sent a team to the Summer **Olympic** Games in **1920**, Three athletes and two wrestlers could not win any medal.



Which is the plant hormone that induces cell division?

**Auxins**

In vulcanisation, with which the natural rubber is heated?

**Sulphur**

Which planet of the solar system spins  
on its axis at the fastest rate?

**Jupiter**

Which algae is used as biofertilizer in the production of crop paddy?

**Blue green algae**

Which unicellular algae are used as source of oxygen in space research?

**Chlorella**

Which region gets no rainfall  
throughout the year?

**The Tundra Region**

Which gas has maximum colorific value?

**Oil gas**

A molecule of glucose on complete oxidation yields howmany ATP molecules in case of aerobic respiration?

**36**



Which river flows between the  
Vindhya and Satpura ranges?

**Narmada**

Which is the type of movement that occurs during opening and closing of flower?

**Nastic movement**

Which gland is responsible for the secretion of insulin?

**Pancreas**

Which type of rainfall that occurs when wind rises up along a hill or mountain barrier?

**Orographic**

Which are the most commonly used chemicals in the artificial rain making or cloud seeding?

**Silver Iodide (AgI)**

What happens, When water is heated from  $0^{\circ}\text{C}$  to  $10^{\circ}\text{C}$  the volume of water?

**First decreases then increases**

# What do you understand by the word regur?

## **Black soil found in the Deccan**

**Black soil** is also known as **Black Cotton Soil** as cotton is an important crop which is grown in this type of soil. The soil content is rich in calcium carbonate, potash, lime and magnesium carbonate but has poor phosphorus content. It is mostly found in areas such as Gujarat, Madhya Pradesh and Maharashtra. It is also found in states like Tamil Nadu, Andhra Pradesh and Karnataka.

Besides water and light which is more essential as a raw material for photosynthesis?

**CO<sub>2</sub>**



Of the floating iceberg in the sea, how much is the portion remaining above the sea level?

**1/10th**

Which salt is found in bone in largest amount?

**Calcium phosphate**

Which is a strong smelling agent added to LPG cylinder to help in the detection of gas leakage?

**Thioethanol**

Food prepared by plant, through which is transported to different part of plant?

**Phloem**

What is responsible for blue body  
syndrome?

**Nitrate**

Inside the body, why does blood  
not coagulate?

**Due to the presence of heparin**

Which river flows through a rift valley?

**Narmada**

By whom are the planets are kept in motion in their respective orbits?

**Gravitation and centrifugal force**



BCG vaccination (Bacillus Calmette  
Guerine) is injected to get immunity from  
which disease?

**Tuberculosis**

Which chemical is used for preserving  
fruit juices?

**Sodium benzoate**

Some examples: Used as food preservatives are ethylenediamine-tetraacetic acid (EDTA), citric acid, sorbitol, and tartaric acid.

Among the biotic components of the ecosystem, the producer system is ?

**Plants**

Which group of gases contribute to the  
'Green House Effect' ?

**Carbon dioxide and Methane**

Which is the sweetest natural sugar ?

**Fructose**

Blue colour of sky is due to phenomenon of

-

(a) Reflection

(b) Refraction

**(c) Scattering**

(d) Dispersion