

# GENERAL



## 500 MOST IMPORTANT QUESTIONS & ANSWERS

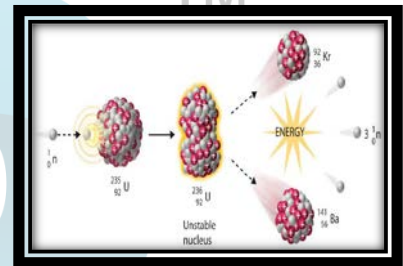
in Association with  
**Ashutosh Shukla**

# General Science

## 500 Most Important Questions-Answers

Q.1- What is the Working principle of Atom Bomb?

Ans- **Nuclear Fission Reaction**



Q.2- Which metal is Best Conductor of Electricity?

Ans- **Silver**

Q.3- Energy Possessed by an object Due To Motion is called?

Ans- **Kinetic Energy**

Q.4- What is the Chemical Name of Rat Poison?

Ans- **Zinc Phosphide**

Q.5- Optical Fibre In Communication works on?

Ans- **Total Internal Reflection**

Q.6- In Atomic Nucleus what is present inside?

Ans- **Proton & Neutron**

Q.7- Photovoltaic Cells are also called as?

Ans- **Solar Cells**

Q.8- Shape Of Eye Lens is Controlled by Muscles?

Ans- **Ciliary Muscles**

Q.9- The Gland which is called as Master Gland?

Ans- **Pituitary Gland**

Q.10- Which Instrument is used for Measuring High Temperature ?

Ans- **Pyrometer**



Q.11- Which substance is used for Delay the Setting Time Of Cement?

Ans- **Gypsum**

Q.12- Instrument is used to convert AC to DC?

Ans- **Rectifier**

Q.13- Why the Face Of Moon is always is Same Side As Earth?

Ans- **Because the period of rotation of moon is nearly equal to the period of rotation of earth**

Q.14- What is Humidity?

Ans- **The amount of water vapour present in air**

Q.15- Why the ECHO is not heard At Moon?

Ans- **Due to Absence Of Atmosphere**

Q.16- Plants gets water through the root by which Processor?

Ans- **Capillarity Action**

Q.17- Which Purpose Electric Transformer is used

Ans- **Changing the Voltage**

Q.18- Alcohol is used as Thermometric Liquid?

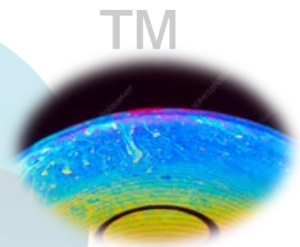
Ans- **To Measure Very Low Temperature**

Q.19- By which phenomenon during Sunrise and Sunset Sun appears Red in colour?

Ans- **Due to Scattering Of Light**

Q.20- Why the Soap Foam and Bubbles shows different Colours?

Ans- **Interference Of Light**



Q.21- Why Sleeping under the trees at Night is harmful but not During Day Time?

Ans- **Trees release oxygen during day time and carbon dioxide at night**

Q.22- Why the Blood do not Clot while flowing in the Bloody long Vessel?

Ans - **Heparin**

Q.23- Chemical which is used for Fruit Ripening?

Ans- **Calcium Carbide**

Q.24- Wick of an Oil Lamp Rises Up due to which process?

Ans- **Capillary Action**

Q.25- Splitting of Light into Seven different colours is called?

Ans- **Dispersion Of Light**

Q.26- What is Tincture Of Iodine?

Ans- **Solution of iodine in alcohol**

Q.27- Which Instrument is used to measure the Rate of Growth Of Plant?

Ans- **Auxanometer**

Q.28- Matter which supports the sound is called?

Ans- **Medium**

Q.29- What is the value of One Horse Power?

Ans- **746 watts**

Q.30- Name the scientist who Discovered Atomic Nucleus?

Ans- **Rutherford**



Q.31- Compact Disc(CD) in audio player uses which study concer Radiation?

Ans-**Laser Beam**

TM

Q.32- On which Principle working of Rocket works?

Ans- **Conservation of Linear Momentum**

Q.33- Minamata disease is caused by consumption of which Metal?

Ans- **Mercury**

Q.34- The name of sound which can not travel through?

Ans- **Vacuum**

Q.35- Temperature at which water has least volume and high dennsity?

Ans- **4°C**

Q.36-Which Gas is used in the Refrigerator?

Ans- **Freon**

Q.37- Sparkling of Diamond is based on which Principle?

Ans-**Total Internal Reflection**

Q38- What is the Working Principle of SONAR?

Ans- **Echo**

Q.39- Which gas was involved in Bhopal Gas Tragedy?

Ans. **Methyl Isocyanate**

Q.40- Which Metal is extracted from Sea Water?

Ans . **Magnesium**



Q.41-Sublimation is the process of conversation of a solid directly into?

Ans- **Vapour**



Q.42-Which Device Converts Electrical Energy into Mechanical Energy?

Ans- **Motor**

Q.43- Energy On Sun is generated by which process?

Ans- **Nuclear Fusion**

Q.44- The liqui non-metal at room temperature are?

Ans- **Bromine**

Q.45- SI unit of Electrical potential difference is?

Ans-**Volt**

Q.46- Name the Instrument used to Convert DC to AC?

Ans- **Inverter**

Q.47- Name the Primary Colours in photography?

Ans- **Red, Blue & Green**

Q.48- Chemically Heavy water is called as?

Ans- **Deuterium Oxide**

Q.49- How the Pitch of the sound is measured?

Ans- **By measured its Frequency**

Q.50- The Scientist who Invented the Blood Group?

Ans- **Landsteiner**



Q.51- Name the Scientist who is regarded as Father of Atomic Energy In India?

Ans- **Homi J Bhaba**

Q.52- What is the Speed Of The Light?

Ans-  **$3 \times 10^8$  m/s**

Q.53- What is the Value Of One Dyne?

Ans-  **$10^{-5}$  N**

Q.54- Which is the Fourth State Of Matter?

Ans- **Plasma**

Q.55- Cinnamon is obtained from part of a plant?

Ans- **Bark**

Q.56- Why Graphite is used in the Nuclear Reactors?

Ans- **Moderator**

Q.57- At which temperatures Value of Celsius and Fahrenheit are equal in thermometers?

Ans- **-40 degree**

Q.58- Which Gas Contributes largely to the Greenhouse Effect?

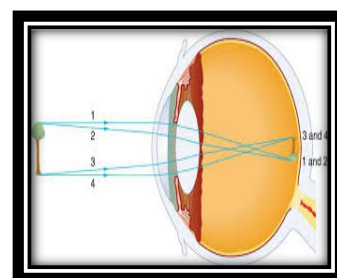
Ans- **Carbon Dioxide (76%)**

Q.59- Who is the father of hydrogen Bomb?

Ans- **Edward Teller**

Q.60- Image formed on the Retina of Human Eye

Ans- **Real & Inverted**



Q.61- Why the leaves of a Tree Or Plant are Green colour?

Ans- **Due to Presence of Chlorophyll**

Q.62- Where is Satish Dhawan Space Centre is situated?

Ans- **Sriharikota**

Q.63- Name the scientist who proves that sun is at the Centre Of Solar System?

Ans- **Copernicus**

Q.64- What is the main Constituent Of Natural Gas?

Ans- **Methane**

Q.65- Why the Grass Appears Green In Colour?

Ans- **It Reflects Green Colour**

Q.66- Why the Colour Of Cow Milk appears Yellow Colour?

Ans- **Riboflavin (Beta Carotene)**

Q.67- Number Of Protons in an atom is called its?

Ans- **Atomic Number**

Q.68- Name the Metal present in Haemoglobin?

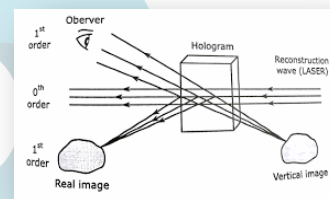
Ans- **Iron**

Q.69- By which force Cream is Separates from Milk?

Ans- **Centrifugal Force**

Q.70-Technique of producing a(3D) Image?

Ans- **Holography**



Q.71- Which vitamin is produced in the body by Ultraviolet Rays?

Ans- **Vitamin D**

Q.72- Which instrument is used to measure Atmospheric Humidity?

Ans- **Hygrometer**

Q.73- In Biology Catalyst is known as?

Ans- **Enzyme**

Q.74- Phenomenon Of Mirage is based on which Principal?

Ans- **Total Internal Reflection**

Q.75- Which Instrument is used to detect the direction and the magnitude of a current?

Ans- **Galvanometer**

Q.76- What is the unit of Luminous Intensity?

Ans- **Candela**

Q.77- Which type of reaction is Rusting of Iron?

Ans- **Chemical Reaction (Oxidation)**

Q.78- Twinkling of Stars is based upon which Principle?

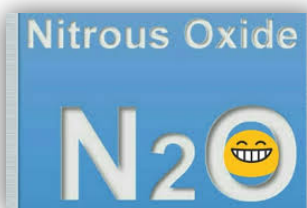
Ans- **Refraction**

Q.79- Which Acid is used in the Body to Help Digestion?

Ans- **Hydrochloric Acid**

Q.80- Name the gas which is called as Laughing Gas?

Ans- **Nitrous Oxide**



Q.81- What is the Equation of Ohm's law?<sup>TM</sup>

Ans-  **$V = IR$**

Q.82- What is the value of 1 kWh?

Ans-  **$3.6 \times 10^6$  Joule**

Q.83- Who is the father of Atom Bomb?

Ans - **Robert Oppenheimer**

Q.84- Who is The most abundant element in the universe?

Ans- **Hydrogen**

Q.85- Fire-Fighting clothes are made up of which material?

Ans- **Asbestos**

Q.86- What is the main source of Naphthalene?

Ans - **Coaltar**

Q.87- What is the The SI unit of Pressure?

Ans- **Pascal**

Q.88- Most abundant element on earth's crust is?

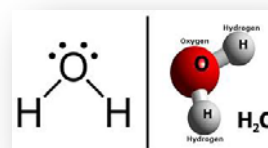
Ans- **Oxygen**

Q.89- Name the metals which forms an Amalgam with other metals?

Ans- **Mercury**

Q.90- What is the chemical formula for Water?

Ans- **H<sub>2</sub>O**





Q.91- Name the Gas which is filled in the Electric Bulb?

Ans - **Argon and Nitrogen**

Q92- What is the common name of Washing Soda?

Ans- **Sodium carbonate**

Q.93-What is the unit of One Watt-Hour?

Ans- **3600 Joule**

TM

Q.94- Why the taste of Curd is sour?

Ans- **Lactic acid**

Q.95-Concentrated Sulphuric Acid stored in which vessel?

Ans- **Glass vessel**

Q.96- What is the the SI unit of Force?

Ans- **Newton**

Q.97- Green plants are..... in nature?

Ans- **Autotrophs**

Q.98- What is the function of Walls of Large Intestine?

Ans- **Absorbs water**

Q.99- Process of Turning milk into curd is?

Ans- **chemical change**

Q.100- Removal of Wool from sheep is called?

Ans- **Shearing**



Q.101-What is the SI Unit of Temperature?

Ans - **Kelvin**

Q.102- The scientist who invented Periodic Table?

Ans- **Mendeleev**

Q.103- What is the main constituent of Biogas?

Ans-**Methane**

Q.104- How does Outer Space appear for an astronaut?

Ans- **Black**

Q.105- Ohm is the unit of which quantity?

Ans- **Resistance**

Q.106- The e.m.f. for potential difference measured in volt is called?

Ans - **Voltage**

Q.107 - Name the principal which is used in Hydraulic Brakes in automobiles?

Ans- **Pascal Law**

Q.108- Which Radiation is used in Digital Sound Recording?

Ans-**Laser**

Q.109- On which date National Science Day is celebrated in India?

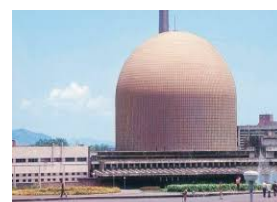
Ans- **28 Feburary**

Q110- Nuclear Fission Reaction is start by impact of which Substance?

Ans- **Neutron**

Q.111- Where Bhabha Atomic Research Centre is situated?

Ans- **Trombay (Mumbai)**



Q.112- Cryogenic Engines are used in which technology?

Ans- **Rocket technology**

Q.113- On which principle does Rocket wor communication?

Ans- **Total Internal reflection**

Q.114- Name the Isotope of carbon formed in atmosphere due to Cosmic rays?

Ans- **C14**

Q.115- Halophytes are plants which grow in?

Ans- **Salt water**

Q.116- What is Heavy water which is used in nuclear reaction?

Ans- **Deuterium Oxide**

Q.117 - Name the Particles which are supposed to travel faster than Speed Of Light?

Ans- **Tachyons**

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Q.118- The deficiency of mineral causes Anaemia?

Ans- **Iron**

Q.119-Which Mirror is used by dentist to examine the teeth of patients?

Ans- **Concave mirror**

Q.120 -Name the Enzyme which converts glucose and fructose into alcohol?

Ans- **Zymase**

Q.121- German Silver is a mixture of which Element?

Ans- **Copper, nickel and zinc**

Q.122- Where is Vikram Sarabhai Space Centre is located?

Ans- **Thiruvananthapuram**



Q.123- The main element which is present LPG?

Ans- **Butane**

Q.124- What is the chemical name of Vitamin E?

Ans- **Alpha tocopherol**

Q.125- What is the chemical name of Marsh Gas?

Ans- **Methane**

Q.126- What is the solvent of Gold?

Ans- **Aquaregia (also called as Royal Water)**

Q.127- The setting of plaster of Paris can be catalyzed by adding which substance?

Ans- **Sodium chloride**

Q128- Headquarter of DRDO located?

Ans- **New delhi**

Q.129- Name the scientist who speculated that Our Universe is Expanding?

Ans- **Edwin Hubble**

Q.130-Name the metal which is used in Ancient Times?

Ans- **Copper**

Q.131-One Nautical Mile is eqca to how many meters?

Ans- **1852**

Q.132-Nitric Acid is manufactured by which process?

Ans- **Ostwald process**

Q.133- Name the scientist who given The Law Of Flootation?

Ans- **Archimedes**



Q.134- Name the apparatus which is used to measure the intensity of Light?

Ans - **Lux meter**

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Q.135- The working principal of Optical fibre?

Ans- **Total Internal reflection**

Q.136- The important metal used with iron to make it Rust free ?

Ans- **Chromium**

Q.137- The bromine compound which is used in photographic films are?

Ans- **Silver Bromide.**

Q.138- Name the scientist who invented Radar?

Ans- **Robert Watson**



Q.139- Hubble telescope found a new moon of which planet?

Ans- **Neptune**

Q.140- Core of transformer is made up of which material?

Ans- **Soft iron**

Q.141- Which Planet is called as Blue planet of Green planet?

Ans- **Earth**



Q.142- What is the full form of DNA?

Ans- **Deoxyribonucleic Acid**

Q.143- The light from the sun reaches the earth in how much time?

Ans - **8.20 minutes**

Q.144- Endoscopy used for examining the internal organs of body is based on which principal?

Ans- **Total Internal Reflection**

Q.145- Fermi is a unit of which quantity?

Ans- **Length**

Q.146- Name The used to fill the tyres of aircraft?

Ans- **Nitrogen**

Q.147- Dynamo is a machine which is used to Convert?

Ans- **Mechanical energy to electrical energy**

Q.148- Which device is used for the measurement of Radioactivity?

Ans- **G.M counter**

Q.149- Name the only lustrous non-metal?

Ans- **Iodine**

Q.150- Blood\_present in the average human body?

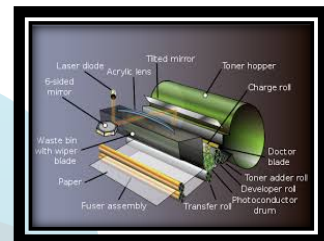
Ans- **4.7 to 5.5 liters**

Q.151- Why Mica is used in electrical appliances such as electric iron?

Ans. **Because Mica is good conductor of heat but bad conductor of electricity**

Q.152- Which type of Laser is used in Laser Printers?

Ans- **Semiconductor laser**



Q.153- The Orange Colour of carrot is due to present of which substance?

Ans- **Carotene**

Q.154- Why it is easier to swim in the sea than in river?

Ans - **Because sea water is salty**

Q.155- Name the Metal which is used with Iron to produce Stains Steel?

Ans - **Chromium**

Q.156- LPG is a mixture of which substance ?

Ans- **Propane and Butane**

Q.157- Name the process by which cooking oil is converted into Vegetable Ghee?

Ans- **Hydrogenation**

Q158- What are the three basic components of an Atom?

Ans- **Protons neutron and Electrons**

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Q.159- Name the ore of Lead?

Ans- **Galena**

Q.160- Which metals are commonly used for Electroplating?

Ans- **Chromium, Copper and Nickel**

Q.161- Name the Lightest Metal in our Periodic Table?

Ans- **Lithium**



Q.162- What is the percent of nitrogen presence atmosphere?

Ans-**78%**

Q.163- Columba Livia is the scientific name of?

Ans. **Pigeon**

Q.164- The shape of the outer Part of the Ear?

Ans- **Funnel**

Q.165- Part of body contain Maximum Iron?

Ans-**Blood**

Q.166- Why the Small insects such as the water can walk on water?

Ans- **Surface tension**

Q.167- Why Bleaching powder is used in drinking water?

Ans- **Disinfectant**

Q.168- Most abundant metal in earth's crust?

Ans- **Aluminium**

Q.169- What is the approximate height of a Geostationary Satellite?

Ans- **35786 kms**

Q.170- Name the scientist who awarded two Nobel Prizes?

Ans- **Marie Curie**



Q.171- According to Kepler, What is the the path of planets revolving around sun?

Ans- **Elliptical**

Q.172- Electric Motor converts Electric energy into which energy?

Ans - **Mechanical energy**

Q.173- What is the pH value of the Human Blood

Ans- **7.4**

Q.174- How much percent of Silver is present German Silver?

Ans- **Zero**

Q.175- Bio-Fertilizers convert Nitrogen into which element?

Ans- **Ammonia**

Q.176- Who is known as the father of Periodic Table?

Ans- **Mendeleev**

Q.177- X-Rays travel in .....?

Ans- **Straight Line**

Q.178- Which wave is used in SONAR?

Ans- **Ultrasonic Wave**

Q.179- Kidney Stones are composed of substance?

Ans- **Calcium Oxalate**

Q.180- What happens in an Oxidation Reaction?

Ans- **Loss Of Electrons**

Q.181- The Scientist who discovered Electron?

Ans- **JJ Thomson**



Q.182- Power Of Lens is measured in which unit?

Ans- **Diopetre**

Q.183- Which part of Rice is edible?

Ans- **Endosperm**

Q.184- Maximum Proportion of Inert Gas is present in air?

Ans- **Argon**

Q.185- Colloidal solution formed between two liquids is called?

Ans- **Emulsion**



Q.186- Which organ of body is affected by Pneumonia Disease?

Ans- **Lungs**

Q.187- Speed of the wind is measured by which Instrument?

Ans- **Anemometer**

Q.188- In Nuclear Reactors Graphite is used for which purpose?

Ans- **Moderator**

Q.189- Why the shape of water drop is Spherical in shape?

Ans- **Surface Tension**

Q.190- Which wave is commonly used in the Night Vision Devices?

Ans- **Infra Red Waves**

Q.191-Which materials is used to manufacture Electric Switches?

Ans- **Bakelite**

Q.192- Scientist who invented the Optical Fiber?

Ans- **Narinder Kapany**



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Q.193- Which Instrument is used to measure the Depth Of Sea?

Ans-**Fathometer**

Q.194-Metal is used in Galvanization Process?

Ans- **Zinc**

Q.195- Name the scientist who Discovered Neutron?

Ans- **Chadwick**

Q.196-In which state Indian Astronomical Observatory is located?

Ans- **Jammu & Kashmir**

Q.197- The other name of Disease Tetanus?

Ans-**Lock jaw**

Q.198- Mach number is a unit to measure which Quantity?

Ans- **Speed**

Q.199- What is Other name of Glass?

Ans - **Super Cooled Liquid**

Q.200- The technique used to determine the age of fossils of animals and plants?

Ans-**Carbon dating**

Q.201- Why White Cloths are Cooler as compare to Black Cloths?

Ans- **They reflects the whole light**

Q.202-Voltage range for household purpose?

Ans- **220- 230 volt**

Q.203- Dolphins and Whales breathe through which organ?

Ans- **Blow Holes (nostril)**

Q.204- Why does a Black Board Appears Black in Colour?

Ans- **It absorbs all the colours**

Q.205- What is the use of Venturimeter? <sup>TM</sup>

Ans- **To measure rate of flow of fluids**

Q.206- Which ray is used in CT Scan?

Ans- **X-Ray**

Q.207- Which element present in all acids?

Ans- **Hydrogen**

Q.208- Photocell converts Light Energy into energy?

Ans- **Electrical Energy**

Q.209- Name the Strongest Force in nature?

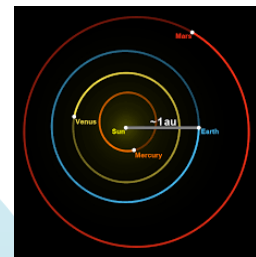
Ans- **Nuclear Force**

Q-210- Total internal reflection phenomenon occur when light passes from?

Ans- **Denser to Rarer medium**

Q.211- One Astronomical Unit is the average distance between?

Ans- **Earth and Sun**



Q.212- Chemical formula of heavy water is?

Ans- **D<sub>2</sub>O**

Q.213- What is the the working principle of a Washing Machine?

Ans- **Centrifugation**

Q.214- Which type of glass is used for making Lens

Ans- **Flint Glass**

Q.215- Name the fourth State Of Matter?

Ans- **Plasma**

Q.216- Twinkling of stars is based on principle?

Ans- **Refraction**

Q.217- Which device is used to measure strength of Electric Current?

Ans- **Ammeter**

Q.218- What is the voltage in Vehicle Battery?

Ans- **12 V**

Q.219- The frequency of household electric current in India is?

Ans- **50 Hertz**

Q.220- What is the Speed Of Light?

Ans - **300000 km**

Q.221- Which Gas is released from Paddy Fields & Marshy Ass?

Ans - **Methane**

Q.222- The Sun is seen before the actual Sun Rise?

Ans- **Refraction Of Light**



Q.223. What is Effect on Hole of Ring Of Metal when Heated?

Ans- **Expands**

Q.224-Which Instrument is used to determine the Purity of Milk?

Ans- **Lactometer**

Q.225-If the reading of Barometer is fall Slowly then it is indication of..?

Ans- **Rain**

Q.226- Name the scientist given Laws Of Electrolysis?

Ans. **Faraday**

Q.227- Name a common name of sodium bicarbonate is?

Ans- **Baking Soda**

Q.228- Which metal is called king of metals?

Ans- **Gold**

Q.229- Ultra purification of a metal is done by?

Ans- **Zone Melting**

Q.230- What is the value of One bar?

Ans- **100000 Pascal**

Q.231- Electric bulb was invented by?

Ans- **Thomas Alva Edison**

Q.232- Scientist introduced the Concept Of Inertia

Ans- **Galileo**

Q.233-Name the India's first Nuclear Reactor?

Ans- **Apsara**

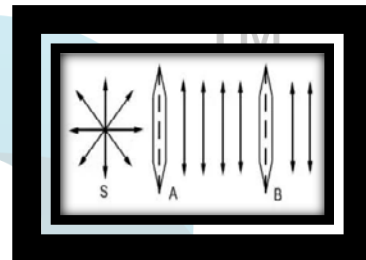


Q.234-Why Two Thin Shirts can keep us warmer than a single shirt in winters?

Ans - **Layer of air act as an insulating medium**

Q.235- Name the Experiment which proves light is Transverse in Nature?

Ans-**Polarization**



Q.236- Brass is made of which Element?

Ans- **Copper & Zinc**

Q.237- Radio activity was invented by?

Ans- **Henry Becquerel**

Q.238- What is the working Principle Of Rocket?

Ans- **Conservation of momen**

Q.239- What is the Study of Moon is called.....?

Ans- **Selenology**

Q.240- How the fuse is connected in an electric circuit?

Asn- **Series With Live**

Q.241- Hydraulic brakes in automobile work on which principle?

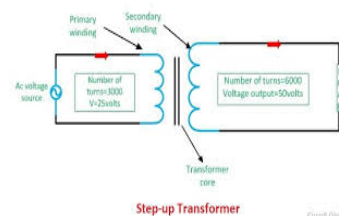
Ans- **Pascals principle**

Q.242- Sodium is stored inn which liquid?

Ans- **Kerosene.**

Q.243- Transformer is an electrical device which is used to.....?

Ans- **Stepup & Stepdown the AC voltage.**



Q.245- Fuse wire is made of an alloy of which element?

Ans- **Tin and Lead.**

Q.246- What is the frequency of direct current?

Ans- **Zero.**

Q.247- What is used as anti freezer to depressed the freezing point of water inn automobile?

Ans- **Ethylene glycol.**

Q.248- Spring balance works on which principle?

Ans- **Hooke's Law.**

Q.249 -Which phenomenon is responsible for the echo of sound wave?

Ans- **Reflection.**

Q.250- Why Water is used in a hot water bag ?

Ans- **Because Water Has High Specific Heat.**

Q.251- The most abundant inert gaseous element present in the atmosphere?

Ans- **Argon**

Q.252- What is the working principle of washing machine?

Ans- **Centrifugation.**

Q.253- Colour of earth wire in domestic circuit is?

Ans- **Green**

Q.254- What is the unit of Astronomical Distance?

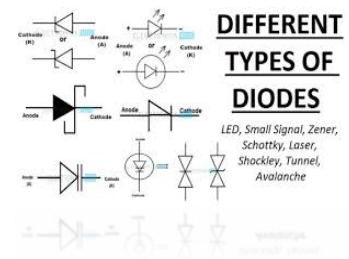
Ans- **Parsec.**

Q.255 - Cooling by a desert cooler is based on which principle?

Ans- **Evaporative Cooling.**

Q.256- For which purpose Diodes are generally used for?

Ans- **Rectification.**



Q.257- The redness in atmosphere at Sunrise and Sunset is due to which phenomenon?

Ans- **Scattering Of Light.**

Q.258- The Phenomenon of change in direction of light when it passes from one medium to another is called....?

Ans- **Refraction Of Light.**

Q.259- Which radio active isotope used for the treatment of cancer?

Ans- **Cobalt 60.**

Q.260 Why the choke in a fluorescent lamp is used

Ans- **Decrease The Current Flow.**

Q.261- Which colour of light deviates least through the Prism?

Ans- **Red.**

Q.262 Major portion of The earth's crust is mainly constituted by?

Ans- **Oxygen and silicon .**

Q.263 Tesla is a unit of which quantity?

Ans- **Magnetic Induction or Magnetic Flux Density.**

Q.264 Which reaction taking place in nuclear reactors?

Ans- **Fission.**

Q.265 What is used in non - stick coating for cooking utensils?

Ans- **Teflon.**

Q.266- In a Filament type light bulb most of the electric power consumed appears as?

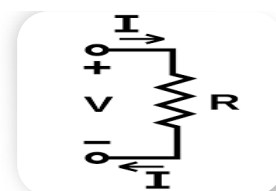
Ans- **Infra-Red Rays.**

Q.267 Atoms of the same element having same atomic number and different mass number are known as?

Ans- **Isotopes**

Q.268 Ohm's law is valid for which type of material

Ans- **Conductor.**



Q.269 The longest period of the periodic table is?

Ans- **Sixth period**

Q.270 Why Steel is more Elastic than rubber?

Ans- **Because it is deformed very easily.**

Q.271 In radio-communication, the signals emitted by transmitting antenna are reflected by which layer of atmosphere?

Ans- **Lonosphere.**

Q.272 Why the Outside surface of cooking utensile are generally left black?

Ans- **Because black surface is a good absorber of heat.**

Q.273 Photon is the fundamental unit of which Quantity?

Ans- **Light.**

Q.274 Vegetables are cooked in lesser time by adding a pinch of salt while cooking because.....?

Ans- **Boiling point of water increases.**

Q.275 What is the unit of relative density?

Ans- **It has no unit.**



Q.276 One nanometer is equal to Meters?

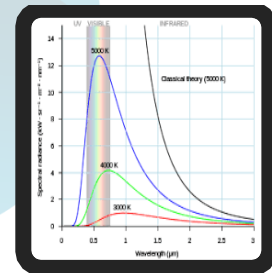
Ans-  $10^{-9}$

Q.277 The group of solar cells joined together in a definite pattern is called.....?

Ans- **Solar cell panel.**

Q.288 The reverse effect of X-Ray emission is

Ans- **Photoelectric Effect.**



Q.289 Quality of a musical note depends on.....?

Ans- **Harmonics present.**

Q.290 Why the copper wires are generally used for electrical power transmission instead of iron wire?

Ans- **Copper is a better conductor of electricity than iron.**

Q.291 On a cold day the metallic cap of a pen becomes much colder than its plastic body, though both are at the same temperature?

Ans- **Because metals are good conductors of heat.**

Q.292 Electromagnet is constructed by material?

Ans- **Soft Iron.**

Q.293 Which mirror used in motor vehicles near the driver's seat?

Ans- **Convex Mirror.**

Q.294 The filament of an electric bulb is made of

Ans- **Tungsten.**

Q.295 Where the value of  $g$  is maximum?

Ans- **At poles**

Q.296 Every hot object emits which radiation?

Ans- **Infrared rays**

Q.297 Name the force which makes a vehicle to stop when break is applied is called...?

Ans- **Frictional force**

Q.298 Flemings Left hand Rule is associated with the effect of.....?

Ans- **Magnetic Field on current**

Q.299 At which point where total mass of body is concentrated is known as?

Ans- **Centre of mass**

Q.300 What is the total number of basic S.I. units?

Ans- **Seven(7).**



Q.301 The colour of the ocean appears to be blue?

Ans- **Due to Scattering of light**

Q.302 Where electrical charges reside in a charged conductor?

Ans- **Outer Surface Of The Body.**

Q.303 In the visible spectrum which colour has the shortest wavelength

Ans- **Violet.**

Q.304 What is the unit of specific resistance ?

Ans- **Ohm metre.**

Q.305 Workers of glass and ceramic industry faces which health hazards?

Ans- **Silicosis**

Q.306 How the galvanometer can be converted to a voltmeter?

Ans- **By Connecting a high resistance in series.**

Q.307 If ice floating on water in vessel melts, the water level in the vessel will be.....?

Ans- **Does not change**

Q.308 If a bar magnet is cut length wise into 3 parts, what will the total number of poles be?

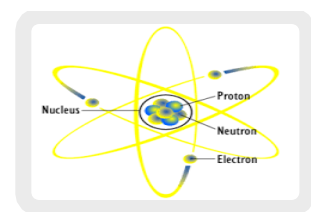
Ans- **6**

Q.309 The metal known as Quick silver?

Ans- **Mercury**

Q.310 Nucleus of an atom consist of .....?

Ans- **Neutrons and protons**



Q.311 One barrel of oil approximately equal to how much litre?

Ans- **159 litres**

Q.312 Which instrument is used to measure depth of ocean?

Ans- **Fathometer**

Q.313 Name the strongest force in the nature?

Ans- **Nuclear force**

Q.314 In which medium sound travels faster?

Ans- **Solid**

Q.315 Which does a liquid drop tend to assume a spherical shape?

Ans- **To minimize surface tension**

Q.316 The direction of a magnetic field within a magnet is .....?

Ans- **From South to north**

Q.317 Phenomenon of total internal reflection can occur when light pass from?

Ans- **Denser to Rarer medium**

Q.318 Number of neutrons in hydrogen is?

Ans- **Zero**

Q.319 Nuclear size are expressed in which unit?

Ans- **Ferm**

Q.320 The element present as an anti knocking agent in petrol?

Ans- **Lead**

Q.321 Fall in reading of barometer is an indication

Ans- **Storm**



Q.322 What type of lens is used to correct vision of a person suffering from myopia?

Ans- **Concave lens**

Q.323 Which material is used in electric heater?

Ans- **Nichrome**

Q.324 What found in coffee, coca cola, redbull & pepsi is?

Ans- **Caffeine**

Q.325 Why are metals good conductors of heat and electricity?

Ans- **They contain free electrons**

Q.326 Nuclear fission reaction is started by impact

Ans- **Neutrons**

Q.327 On which principle transformer works?

Ans- **Mutual Induction**

Q.328 Which instrument is used to measure altitudes in aircrafts?

Ans- **Altimeter**



Q.329 Intensity of any wave is proportional to.....?

Ans- **Square of amplitude**

Q.330 The process of improving the quality of rubber by heating is with sulphur is called?

Ans- **Vulcanization**

Q.331 The ratio of Hydrochloric acid nitric acid in Aquaregia?

Ans- **3:1**

Q.332 Heat is transmitted from higher temperature to lower temperature through the actual motion of the molecules is called?

Ans- **Convection**

Q.333 Coke used in a tube light is basically.....?

Ans- **An Inductor**

Q.334 Boiling point of water depends on.....?

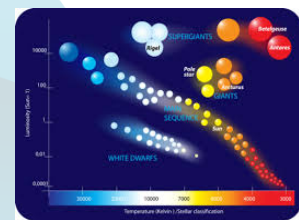
Ans- **Atmospheric pressure**

Q.335 When a ship enters the sea from a river what will be the effect on ship?

Ans- **It rises a little**

Q.336 What is indicated by the colour of a star?

Ans- **Temperature**



Q.337 Hertz is the unit for measuring the.....?

Ans- **Frequency of waves**

Q.338 Fuse wire made of which type of material?

Ans- **Low resistance and low melting point**

Q.339 A bomb explodes on the moon we hear its sound on earth after how much time?

Ans- **We cannot hear the sound of explosion**

Q.340 0 K is equivalent to?

Ans- **-273C**

Q.341 Why the sun appears red in colour at sunrise and sunset?

Ans- **Because all other colours scatter away except red**

Q.342 Conversion of chemical energy into electrical energy occurs in....?

Ans- **Battery**

Q.343 Which type of phosphorus is most reactive?

Ans- **White phosphorus**

Q.344 When iron rusts, its weight?

Ans- **Increases**

Q.345 LPG is mostly liquefied?

Ans- **Butane**

Q.346 Which phenomenon established the transverse nature of light?

Ans- **Polarisation**

Q.347 Which method will be employed to test the hardness of water?

Ans- **Formation of lather with soap**

TM

Q.348 If electric resistance is to be decreased, then the number of resistances should be connected in?

Ans- **Parallel**

Q.349 A galvanometer can be converted into a voltmeter by connecting with...?

Ans- **High resistance on series**

Q.350 The mercury and sodium street lamps light up because of?

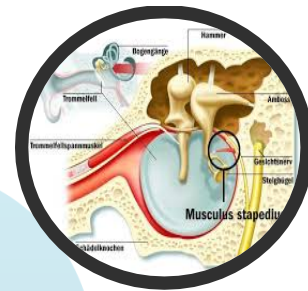
Ans- **Atomic emission**

Q.351- Name the largest bone in human body?

Ans. **Femur.**

Q.352- Name the smallest bone in human body?

Ans- **Stepdus**



Q.353- An electrochemical cell which is used as a source of direct electrical current at constant voltage under standard conditions is called?

Ans- **Battery**

Q.354- Name the largest vain in body??

Ans- **Interior venacava**

Q.355- Why blood do not clot inside the blood vessel?

Ans- **Presence of haparin.**

Q.356- Name the smallest bone in human body?

Ans- **Stapes**

Q.357- In human body which organ has maximum power regeneration?

Ans- **Liver**

Q.358- Which component of blood is responsible for clotting

Ans- **Platelets**

Q.359- Name the smallest endocrine gland in human body?

Ans- **Pituitary gland.**

Q.360- What is the total numbers of bone in human body?

Ans- **206**

Q.361- What is the number of chromosomes in human cell.

Ans- **46 (23pairs)**

Q.362- Which is the largest part of brain?

Ans- **Cerebrum.**



Q.363- Average length of small intestine

Ans- **7mt.**

Q.364- What is the average length of large intestine

Ans- **1.5 mt.**

Q.365- Which tests helps in diagnosis of cancer?

Ans- **Biopsy**

Q.366- Color of eye depends upon pigment present

Ans- **Iris**

Q.367- Name the largest white blood corpuscle?

Ans- **Monocyte**

Q.368- Our bones and teeth are made of which element?

Ans- **Tricalcium phosphate**

Q.369- Transport of oxygen in human body by?

Ans- **Blood.**

Q.370- What is the life span of rbc?

Ans- **120 days**

Q.371- Failure of which gland results in diabetes in human body?

Ans- **Pancreas.**

Q.372- At very high altitude the RBC in human body will?

Ans- **Increase in number.**



Q.373- Blood is red in colour due to the presence

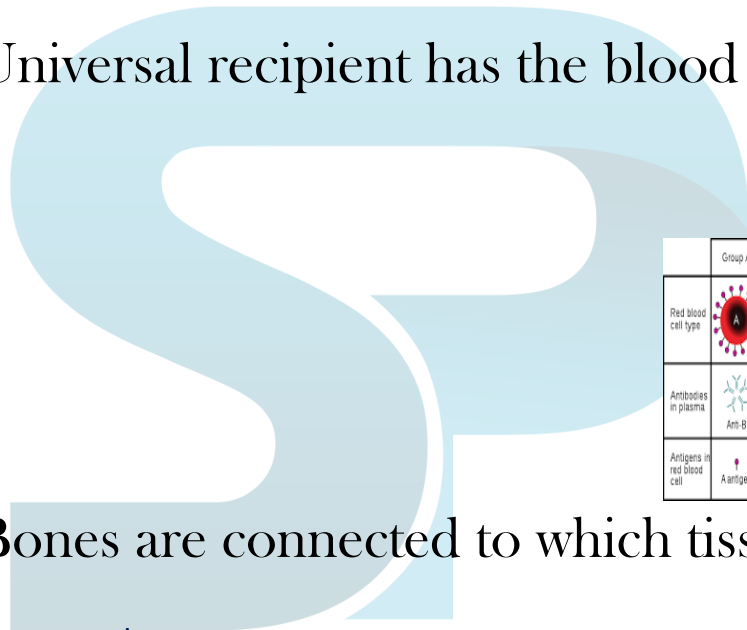
Ans- **Hemoglobin**








Q.374- In human universal donor has the blood group of?

Ans- **O**

Q.375- Universal recipient has the blood group of

Ans- **AB**



	Group A	Group B	Group AB	Group O
Red blood cell type				
Antibodies in plasma			None	
Antigens in red blood cell	A antigen	B antigen	A and B antigens	None

Q.376- Bones are connected to which tissue

Ans- **Ligaments**

Q.377- Myopia and hypermetropia diseases connected with?

Ans- **Eyes**

Q.378- Which instrumental is used to measure blood pressure

Ans- **Sphygmomanometer**

Q.379- In human body where is Tibia bone found

Ans- **Leg**

Q.380- Which hormone is called emergency hormone in human body?

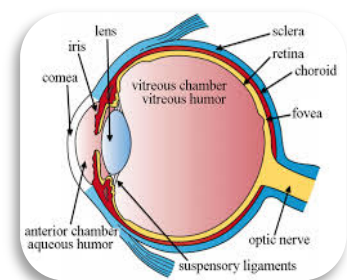
Ans- **Adrenaline gland.**

Q.381- Name the most commonly broken bone in human body?

Ans- **Clavicle (collarbone)**

Q.382- Image formed of which part of eye?

Ans- **Retina**



Q.383- In human body dialysis is used for which organ?

Ans- **Kidney**

Q.384- Main constituent of haemoglobin?

Ans- **Iron**

Q.385- In human eye the least distance of distinct vision?

Ans- **25 centimetre**

Q.386- Isotope of Cobalt used in Detection of cancer?

Ans- **Cobalt- 60**

Q.387-ECG is used for diagnosis of elements of

Ans- **Heart**

Q.388- Which is the largest blood vessel in human body?

Ans- **Aorta**

Q.389- Which gland is associated with blood pressure?

Ans- **Adrenal gland.**

Q.390- Name the longest muscle in human body?

Ans- **Sartorius muscle.**

Q.391- Thalassaemia is hereditary Disease which affects?

Ans- **Blood**

Q.392- Name the largest joint in human body?

Ans- **Knee**



Q.393- Where is mandible bone is located?

Ans- **Jaw**

Q.394- In human body formation of red blood cells occur at?

Ans- **Bone marrow**

Q.395- Ozone layer is found in which layer?

Ans- **Stratosphere**

Q.396- How many basic tests can human sense?

Ans- **5 (sweet salty bitter Sour umami)**

Q.397- What is what is the another name of human voice box?

Ans- **Larynx**

Q.398- Which gland is associated with diseases goiter?

Ans- **Thyroid gland.**

Q.399-DPT vaccine is helpful in prevent the disease

Ans- **Diphtheria pertussis tetanus**

Q.400- Which organ filters blood in human body?

Ans- **Spleen**

Q.401- What is called suicidal bags of cells?

Ans- **Lysosomes**

Q.402- Which part of cell is called powerhouse of cell?

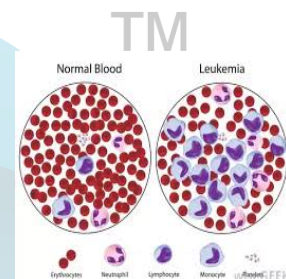
Ans- **Mitochondria..**

Q.403- Which virus is related with AIDS

Ans- **Retro virus**

Q.404- Blood cancer is also called as?

Ans- **Leukaemia**



Q.405- Medulla oblongata a part of human?

Ans- **Brain**

Q.406- What is the average Heartbeat of human?

Ans- **72 per minute**

Q.407- Pituitary gland situated in Human body?

Ans- **The base of the brain.**

Q.408- Heart made of which muscles?

Ans- **Cardiac muscles**

Q.409- What is the Unit of nervous system?

Ans- **Neurone**

Q.410- Which part of brain controls emotional reactions in our body?

Ans- **Hypothalamus**

Q.411- Which tissue in human where no cell occurs after birth is?

Ans- **Nerves.**

Q.412- ECG is the equipment used to detect the working of?

Ans- **Heart**



Q.413- Which blood corpuscles are popularly called soldiers of the body?

Ans- **WBC**

Q.414- The connective tissue that connects a muscle to the bone?

Ans- **Tendon.**

Q.415- Which is the largest gland in human body?

Ans- **Liver**

Q.416- Which organ of the human body secretes insulin?

Ans- **Pancreas.**

Q.417- Blood is which type of tissue

Ans- **Connective tissue.**

Q.418- Which organ of the body never rests?

Ans- **Heart**

Q.419- Name the male sex hormone?

Ans- **Testosterone.**

Q.420- What is the dental formula of adult human?

Ans- **2123/2123**



Q.421- Red blood corpuscles are also called?

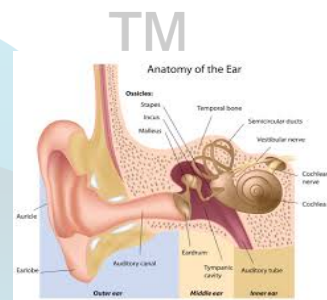
Ans- **Erythrocyte.**

Q.422- How many Chambers in human heart?

Ans- **4(2 Atria 2 ventricle).**

Q.423- What is the important function of ears provide other than hearing?

Ans- **Balance**



Q.424- Animals and humans with spines are called?

Ans- **Vertebrates.**

Q.425- What is the word for a person born without skin and eye pigmentation?

Ans- **Albino.**

Q.426- How much blood is present in human body?

Ans- **4.4 to 5.5 litres**

Q.427- Which part of human body affected from this is called glaucoma?

Ans- **Eyes**

Q.428-In human body which gland produce hormones?

Ans- **Endocrine gland**

Q.429- The blood pressure of a normal healthy man?

Ans- **120/80 mm hg**

Q.430- Gland produces Tears in human body?

Ans- **Lacrimal gland.**

Q.431- In female phenomenon of releasing ovum from ovary is called?

Ans- **Ovulation.**

Q.432- Human heart beat rate is about?

Ans- **70-72 times/minute**

Q.433- Which is the longest nerve in human body?

Ans- **Sciatica**



Q.434- Name the main organ of cardiovascular system?

Ans- **Heart**

TM

Q.435- What is the other name of alimentary canal?

Ans- **Digestive tract.**

Q.436- If we lined up all the neurones in the brain end to end what is the stretch length?

Ans- **1000 kilometres.**

Q.437- Name the scientist who discovered penicillin?

Ans- **Alexander Fleming.**

Q.438- In human body where is pharynx located?

Ans- **Neck**

Q.439- Which tube passes the food from pharynx to stomach?

Ans- **Esophagus**

Q.440- What is helpful in preventing the blood of gums?

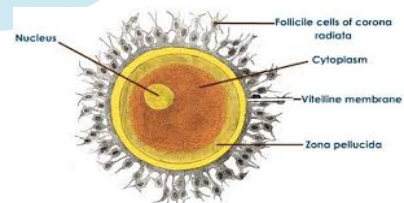
Ans- **Ascorbic acid**

Q.441- In human body which organ has minimum power of regeneration?

Ans- **Neurons and Nerve cells**

Q.442- Name the largest human cell?

Ans- **Ovum**



Q.443- What is called as digestive bag of the cell?

Ans- **Lysosome**

Q.445- Name the largest lymphatic organ?

Ans- **Spleen**

Q.446- What is the composition of blood?

Ans- **Plasma 60% and blood corpuscles 40%**

Q.447- What is the purpose of valves in veins?

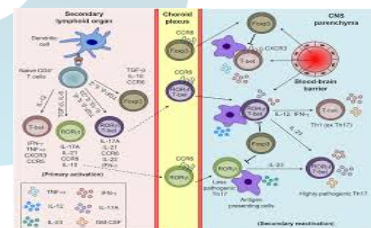
Ans- **To prevent backflow of blood**

Q.448- Name the bulkiest muscle in human body?

Ans- **Gluteus maximus.**

Q.449- Which cell produce antibodies in human body?

Ans- **Lymphocytes.**



Q.450- Which part of brain also known as little brain?

Ans- **Cerebellum.**

Q.451- The process of removal of urea from the blood by equipment when both kidneys failed to remove urea?

Ans - **Dialysis**

Q.452- Name the fifth state of matter?

Ans- **Bose- Einstein condensation**

Q.453- Which fuel is used in gas welding?

Ans- **Acetylene**

Q.454- What is the phenomenon of radioactivity?

Ans- **Emission of Alpha ,Beta and Gama particles**

Q.455- Which gas is used in cigarette lighter?

Ans- **Butane**



Q.456- Name given to German silver is because....?

Ans- **It appearance is like silver**

Q.457- Name the scientist who discovered electron

Ans- **JJ Thomson**

Q.458- The term brown air is used for?

Ans- **Photochemical smog**

Q.459- Atoms of elements having same atomic number but different mass number?

Ans- **Isotopes**

Q.460- Freon used as refrigerant is chemically known

Ans- **Chlorofluoro hydrocarbon**

Q.461- Who is known as father of modern chemistry?

Ans- **Lavoisier**

Q.462- What is the three state of matter?

Ans- **Solid liquid & Gas**

Q.463- In galvanization iron is coated with which metal?

Ans- **Zinc**

Q.464- Name given to German silver ss because...?

Ans- **It appearance is like silver**

Q.465- Which fuel is used in gas welding?

Ans- **Acetylene**

Q.466 - Who is known as father of modern chemistry?

Ans- **Lavoisier**

TM



Q.467- What is the Purest form of Iron?

Ans- **Wrought Iron**

Q.468- Which element used as a bleaching agent?

Ans- **Chlorine**

Q.469- The chemical name of Chalk?

Ans- **Calcium Carbonate.**



Q.470- Which type of metal and their compounds are coloured?

Ans- **Transitions metals**

Q.471- Which chemical is used in nail polish remover?

Ans- **Acetone**

Q.472- What are the components responsible for acid rain?

Ans- **Sulphur dioxide and Nitrogen oxides**

Q.473- Which number is called as avagadro number?

Ans-  **$6.023 \times 10^{23}$**

Q.474- Name the chemical which is responsible for the stimulation of tear glands by the onion?

Ans - **Sulphur (sulphide)**

Q.475- Why sodium liquid is used for the heat transfer medium in nuclear reactor ?

Ans - **Because sodium has high specific heat**

Q.476- Effect temperature on conductivity metal?

Ans - **It decreases**

Q.477- What is the value of one electron ?

Ans -  **$-1.6 \times 10^{-19}$  coulomb**

Q.478- The elements which are known as soft metals?

Ans - **Potassium and Sodium**

Q.479- Name the only non-metal which is good conductor of electricity?

Ans- **Graphite**

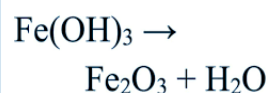
Q.480- The gas which causes the fading of the colour of Taj mahal?

Ans- **Sulphur dioxide**

Q.481- What is the formula of rust? .

Ans-  **$\text{Fe}_2\text{O}_3 \cdot x \text{H}_2\text{O}$**

How to Balance:



Q.482- If elements shows both the property of metals and non metal it is called as ..?

Ans- **Metalloids**

Q.483- Compound which is used as a fixer in photographic film?

Ans- **Sodium Thio Sulphate Or Thio**

Q.484- What is the relation of velocity of light , frequency and wavelength?

Ans-  **$C = \text{frequency} * \text{wavelength}$**

Q.485- which metal is used in mobile phone batteries

Ans- **Lithium**

Q.486- What is used in making pencils?

Ans- **Graphite**

Q.487- The Compound essential for bone?

Ans- **Calcium phosphate.**

Q.488- During fermentation of sugar, the compound which is always formed is? TM

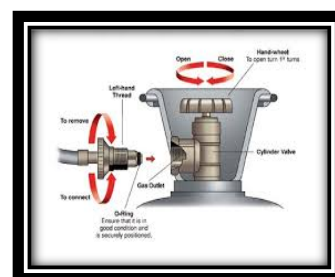
Ans- **Ethyl Alcohol**

Q.489- Iodex, a pain relief balm, has the smell of?

Ans- **Methyl salicylate**

Q.490- LPG is also called as?

Ans- **Domestic gas**



Q.491- Element has maximum number of isotope?

Ans- **Polonium**

Q.492- What is used as anti freezer to depressed the freezing point of water in automobile.?

Ans- **Ethylene glycol**

Q.493- Sodium is stored in which liquid?

Ans- **Kerosene**

Q.494- The common name of sodium bicarbonate

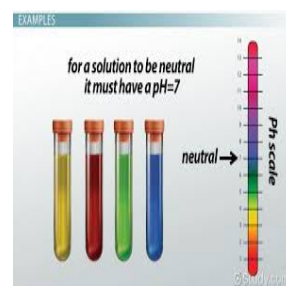
Ans- **Baking soda**

Q.495- Dry ice is the solid form of.....?

Ans- **Carbon dioxide**

Q.496- If pH of solution is equal to 7 then it is....?

Ans- **Neutral**



Q.497- If pH of solution is less than 7 then it is....?

Ans- **Acidic**

Q.498- The hardest material in the body?

Ans- **Enamel**

Q.499- Who discovered the phenomenon of radio activity ?

Ans- **Henry Becquerel**

Q.500- The disease which affects the human immune system?

Ans- **AIDS**

