

Tsunami

Tsunami derived from French word which have two part Tsu means "Harbour" nami means "waves" it is a Harbour waves.

Formation of Tsunami:

Tsunami formed due to earthquake, vibration underneath water. It is single wave or multiwave. Mess's of waves shows that it form a longer wavelength 10-500km which travels 700km/hour. When it move from its original point it travels with

with 500 km/hour. The signal of
Tsunami shows the level of
water decrease and bays become
empty.

Cause of Tsunami

Volcanic eruption

Nuclear Explosion

Earthquake

Vibration

Proclation of cold water

Richter scale

Richter scale is
used to measure the
magnitude of earthquake

The scale tells the
destruction that occur
during the earth.

it contain logarithm
value. which value

start from 0.1 to 10

Richter

General Science and ability

Q24

Q1) Explain structure of Sun?

The Sun is the main source of energy on earth. It is the yellow dwarf planet which carries a lot of mass in it. It has strong gravitational source. That cause all the object revolve around it. It has 8 planets starts stellar remnants etc.

(1) Composition of Sun:-

Sun is composed 70% Hydrogen, 28% helium, and 2% remaining objects. It contain high mass. It has 4321686 radius. About 1.3 million

108
28
56

earth required to covered it mass. it is the only source of energy on earth.

(2) Layers of sun

(2.1) Core

(2.2) Radiative Zone

(2.3) Convective Zone

(2.4) Tacholone Zone.

(3) Corona

it is the surface of sun which cover the area around the radiative zone. it has 15.6 kelvin temperature and 25.6 pressure. it produce light/energy emit from sun.

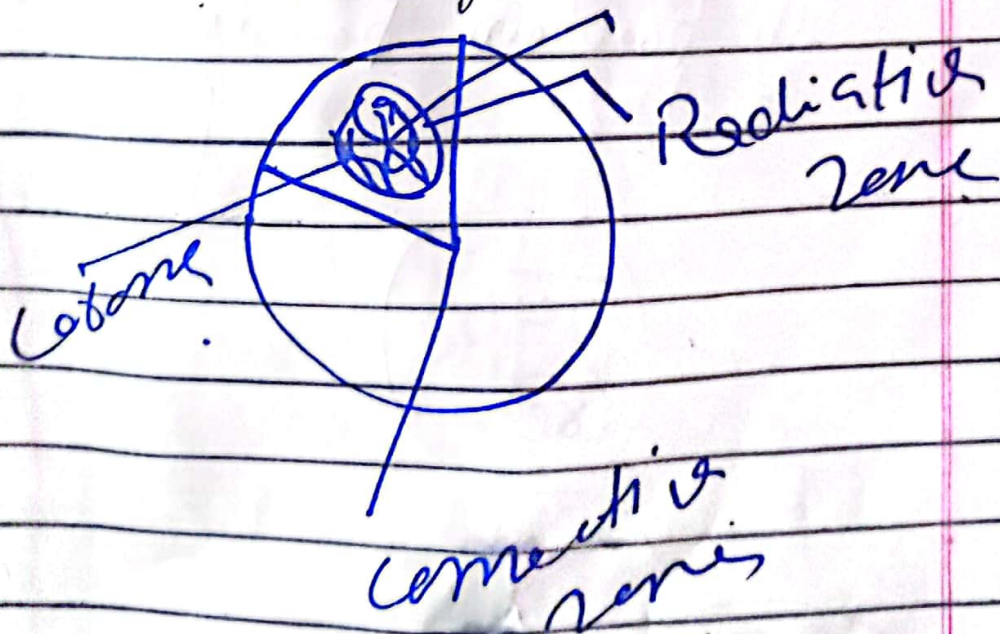
(3.1) Radiative Zone

It is a zone that start from corona. it is hottest zone.

Because all hydrogen and
convert into helium it is
higher density than water

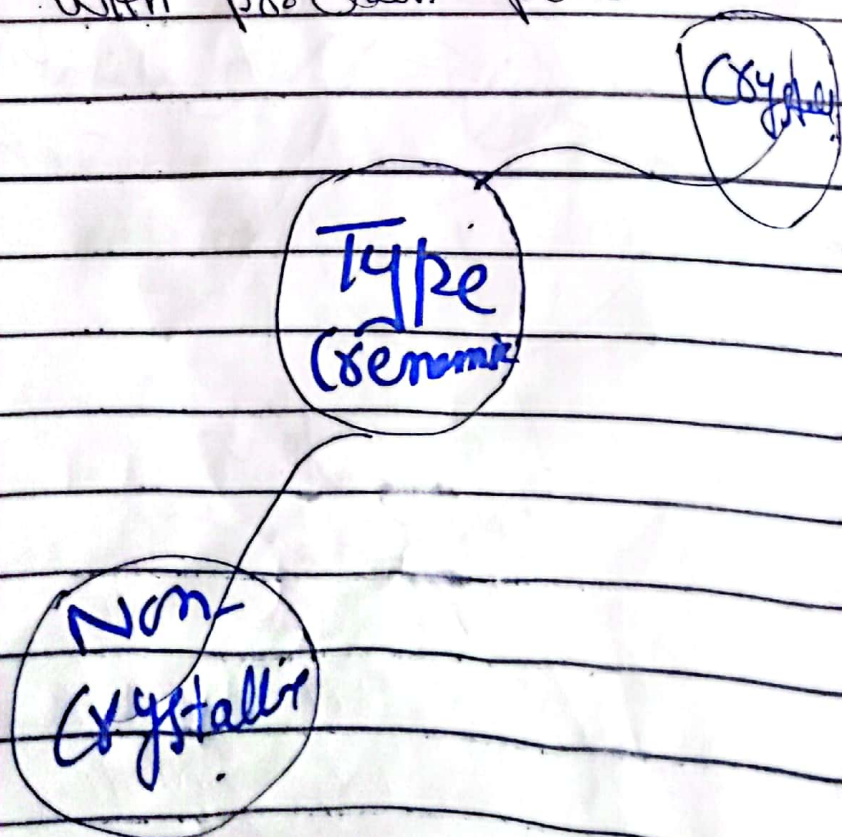
(3.2) Convection zone.

It is zone around the
radiative zone. In this zone
energy is move in the form
of electromagnetic way. The
molecule move in the form
of ionization. moving molecule
scattered down in gas and
required thousand of years
to escape from it.



Q
What is ceramic? It is possible that ceramic can be recycled?

Ceramic is a material that is used to form the pottery or floor brick. In ancient times, people used plastic or buckets. They are not useful. Now they ceramic are discovered. It is made up of clay. They are used to form object with proclaim process.



Crystalline Ceramic

They are amenable
and form from clay.
Non-Crystalline.

it is form from
glass. Melt the glass and
shape the material.

it is possible to
ceramic recycled.

No, it is not possible
in almost. But very
case in which ceramic
are recycled. like the
floor brick are made of
clay. So it is reshaped
again. Through porcelain
process melt it and
recycled it again.

through source generate form
electric energy

(2) Solar energy.

Solar is a source of
energy. Abundant amount of
light reach the earth to
use it form electricity.

(3) Wind energy.

The solar wind 153 km/h
speed are required to form
electricity. Pakistan is the
luckiest country it Karachi and
coastal area have opportunity
to form -

Bio-Fuel.

wastage material are
used to overcome energy
crisis

Strategies.

Hoosing Salor energy
Pakistan fullfil it energy
deman and reduce its
dependancy on fossil
fuel.

Q7

whst is the circumference
of a circle with radius
4cm ?

Data

radius = 4cm

Circumference of a circle ?

Formula

$$C = 2\pi r$$

It have constant value
1.314

Q8'

$$C = 2 \times 3.14 \times 4$$

$$25.12$$

Result = 25.12

(b)

age of 5 students 20, 22, 21, 21, 23

23. Find mean, median, mode

Range

Solution

$$\text{mean} = \frac{\text{sum of observation}}{\text{total num of observation}}$$

$$\text{mean} = \frac{20 + 22 + 21 + 21 + 23}{5}$$

$$\text{mean} = \frac{107}{5}$$

$$\text{mean} = 21.4$$

Q

Renewable Energy Sources

The source of energy is (renewable) generate it again are called renewable energy. They are abundant in nature.

Sources of Renewable Energy

- (1) Hydro-water
- (2) Solar energy
- (3) Wind-Energy
- (4) Bio-Fuel.

(1) Hydro-water

The dam is generated near the area of river when the water pass

median = 21

mode = most repeatedly
use called mode

mode = 21

Range = Max Value - Min
= 23 - 21

Range = 2

Q1

Define IQ: Factors effects
it.

IQ stands for intelligence
its measures of a
persons reasoning
ability