

(1) Tsunami

(iii) Definition

Tsunami is a french word. Tsu means harbor or nami means waves. Tsunami means harbor waves.

(2) Tectonic plates in Tsunami

Tectonic plates also the reason of Tsunami occur when the tectonic plate converge or diverge. they produce energy that form subduction space and earthquake under submarine occur which cause displacement of water which are the reason of tsunami.

(3) formation of Tsunami

Tsunami occurs due to displacement of water which occurs with earthquakes, volcanic eruptions, landsliding coast to coast measures it 10 to 500 km and travel in the ocean with the speed 700 km/h

Some time it appears a single wave. But it is multiple waves few minutes apart.

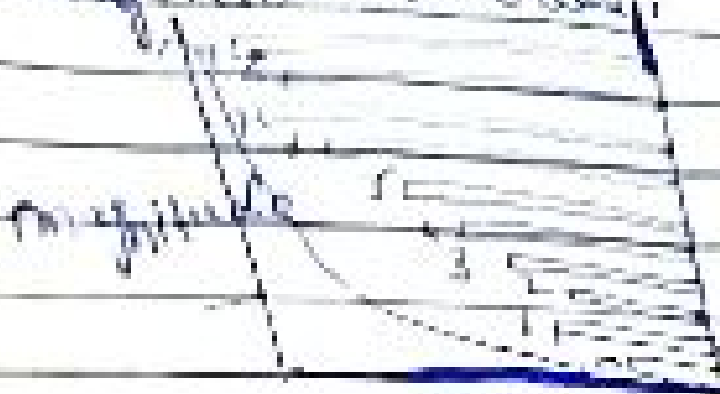
1) measure the highest in open ocean is not easy. But the sign of tsunami are level of water low and bays are empty

2) waves travel apart from its original position with the speed of 500 km/h.

14) Richard magnitude scale.

Richard magnitude is formed by Friedrich Richter Scientists. it is used to measure the magnitude

during earthquakes is
logarithmic in value.



Richard
Scale

volcanic Explosivity Index

It is used to measure
the volcanic explosivity of
volcanic eruption. It is based
on magnitude and intensity
of eruption called Explosive
Index

Discuss present renewable
energy resources in Pakistan?
Explain the energy situation
to utilize the energy
resources

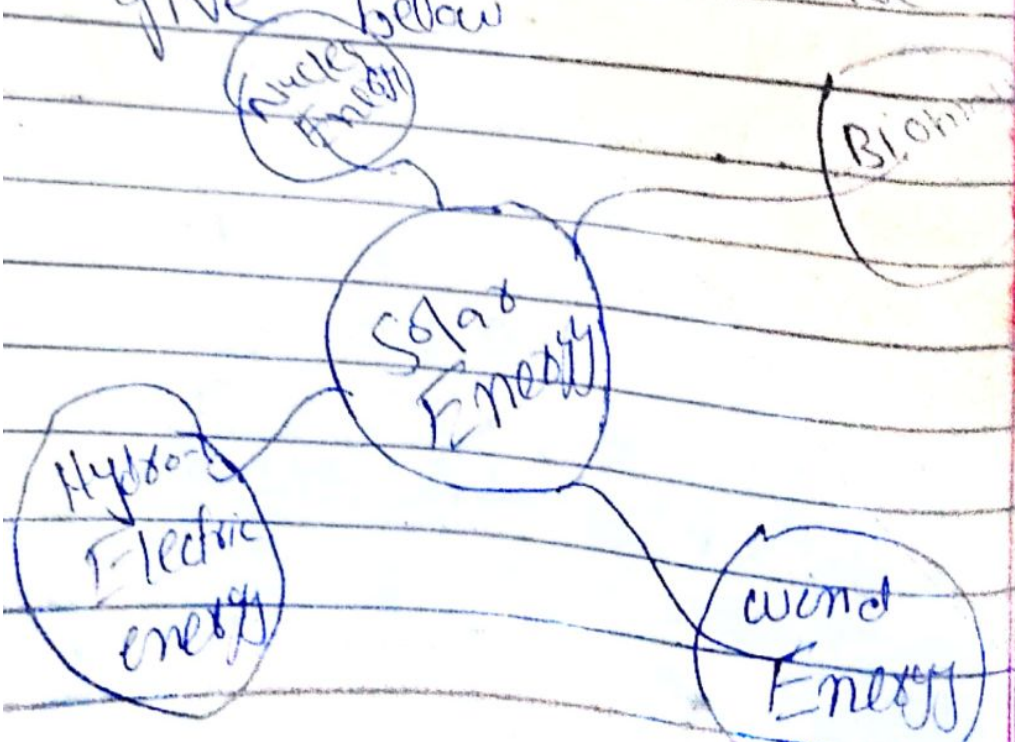
Renewable Resources

Renewable Resources are source of energy that are ~~utilize~~ gain and gain. It is inexpensive. Do not exhaust and cheap. It does not cause global warming and safe in use.

→ available sources in

Pakistan

The energy resources present in Pakistan are given below.



(i) Hydro-electric energy.

Dam is built on rocks and deeper elevation take place. The water is store in the reservoir. The water down and Gravity push it through penstock, it further attached with turbine propeller. Turbine move and energy generation. This process is repeat again -

(ii) Micro-Hydro water.

River Run away, it is no need to construct the Dam or storage construction. The water divert from river's stream, forest valley. The water reached channel. The turbine removed the sediments from it which is harmful for generation. They fall on turbine generator move and

(3) Wind energy

Wind energy is formed when change the kinetic energy into mechanical energy.

The mechanical energy sun and other process

done. Air less than 15 km/h

not form energy. Pakistan have coastal areas of south

Coast areas of Karachi

Northern areas

(4) Biomass energy is generated through the energy uses produce with mass of waste material and

~~water~~ wood. When waste material burn in higher temperature. The energy

run away and form electricity.

Questions

Write a note on Ceramics?

Ceramics is an organic non metallic material which is compares with metals metalloids or non-metals. The ancient people use expensive things for preservation. They use tortoise shell or for ~~spore~~ or other utensils. After that baskets are formed they are unable to contain water. Therefore they make progress and discovered a ceramics.

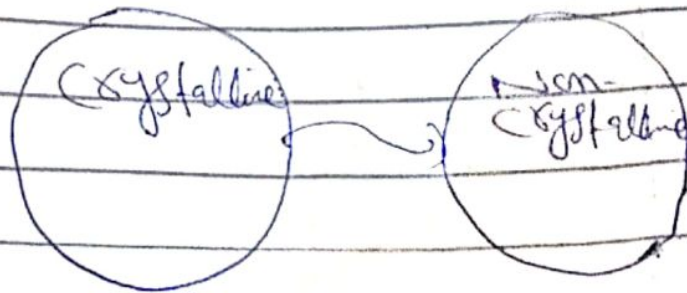
its a fine art of china. which is used to create many thing

Example of Ceramics.

we are living in a brick house brick are combine with cellulose acyclic that are cellulose. marble in kitch or

or in a wash room tubs.

Types of Ceramics



2.1 Crystalline Ceramic

Crystalline Ceramic is formed with powdery clay and is fired at high temperature. It gives objects accurate shape.

2.2 Non-Crystalline Ceramic

It is a glass-like substance that is manufactured and has a taffy-like viscosity at high temperature.

3- Uses of Ceramics

1) Ceramics are used in earthenware.

2) it is used to make porcelain which is used in decorative pieces, utensils, glass, plate etc.

3) it is used in stoneware which is used in jewellery or decoration etc.



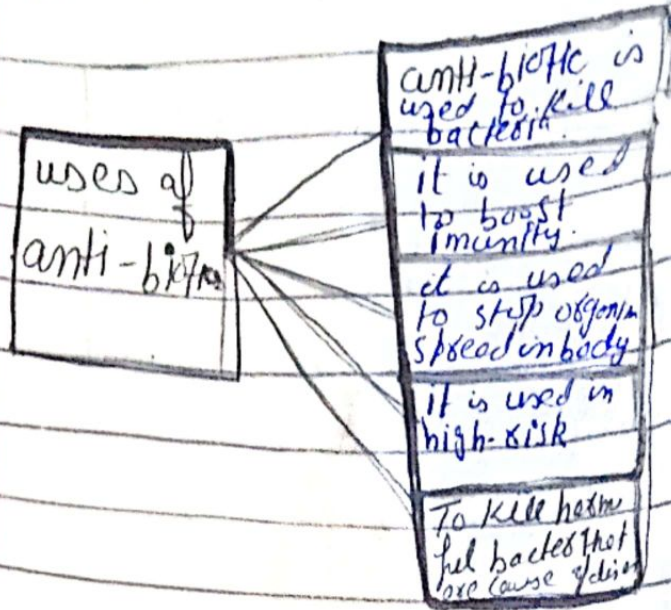
Why an indiscriminate use of anti-biotics may prove dangerous.

1 - Antibiotics

Anti-biotic is a substance that is used to kill the bacteria and stop micro-organism spread in the body. It is sometimes used in viral infection.

2 - uses of anti-biotics

Anti-biotics is used to treat many bacterial infections in the body.



Types of anti-biotics

The most widely antibiotics that are use are

1- Penicillin

it is used to treat urinary track infection.

2- Cephalosporins

it is used to treat infections of skin and ear.

3- Amphotericin

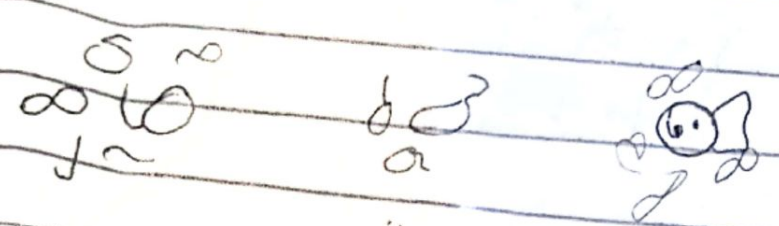
Tobramycin is used to treat eye infection

4- Fluoroquinolones

It is used to treat infectious diseases.

Why use of anti-biotic widely restricted?

Anti-biotic produce resistance a widely used of anti-biotic produce anti-biotic in the body



anti-biotic	produce	it contain
increase	antibody	Survival
in mass	that	trait
in colonies	Resistance	
	Spread	

widely use of anti-biotic weak immune system that resistance of some diseases stop. That are not effective on given diseases.

Side-effect of anti-biotics

All the medicine have side effect. But he cannot bother

it. it may cause diarrhoea, feeling
skin being a skin, fatigue etc

Benefits of anti-biotics

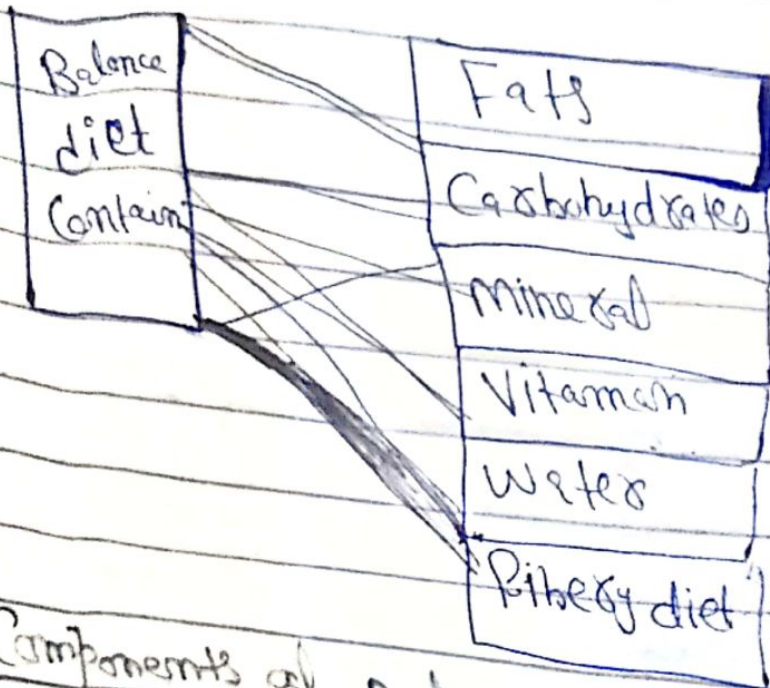
- (1) Protects from different disease to boost immune system.
- (2) Kill bacteria that are harmful for body. stop the growth of bacteria to spread in the body.

What do you mean a balance diet? Deficiency of vitamin A B₆ C can result into what type of imbalance in human body.

1-Balance diet.

Balance diet is a diet that contain all the nutrients in it. These are not similar for everyone.

Because all the persons have different lifestyle. A man with sedentary habits required less calories as compared to man he is on his feet all time



2- Components of Balance diet

1- Carbohydrates

These are source of energy in body.

2- Vitamin

Vitamin triggers different functions in the body.

3- Water

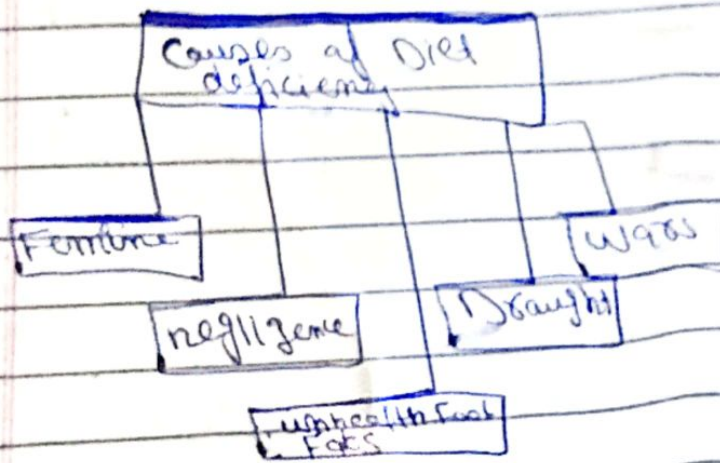
it act as a vehicles transfer different material to

body. It contains 5-7% of the body mass.

4. Fiber diet

It is undigestible material. It helps to regulate the food in the body and helps in digestion.

Cause of Diet deficiency



Vitamin Deficiency.

Vitamins regulate body functions, growth, and reproduction of humans. They form a chain, and if any part of the chain is missing, it causes devastating effects.

body

1) it acts as a co-factor that regulates body function

2) it form critical function like blood formation, nerve system chemical called Neuro-transmitter form hereditary material called deoxy-ribonucleic acid.

3) it perform function to use Carbohydrates, fats, vitamin

Vitamin Source Effect on body

B

Cereals, liver, kidney, leafy vegetable

anemia in kidney
Caused disease to deficiency

C

Citrus fruit, leafy- tomatoes, peas

Dry skin or dry tongue

D

Egg, milk, butter, Sun-also source of vitamin

Sterility

A	Carrots, bean	Night blindness
	Green vegetable	Dryness of skin

The vitamin regulates different functions of body. Deficiency of vitamin devastating the body functioning.
