

Mention the full qs statement for proper evaluation.

(1) Tsunami

(iii) Definition

Tsunami is a french word
Tsur means harbor & 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 sub

marine 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 700 km/h.

14) Richard magnitude scale.

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

during earthquakes in
logarithmic scale

magnitude

Richard
Scale

3
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 sources
to utilize the energy
resources

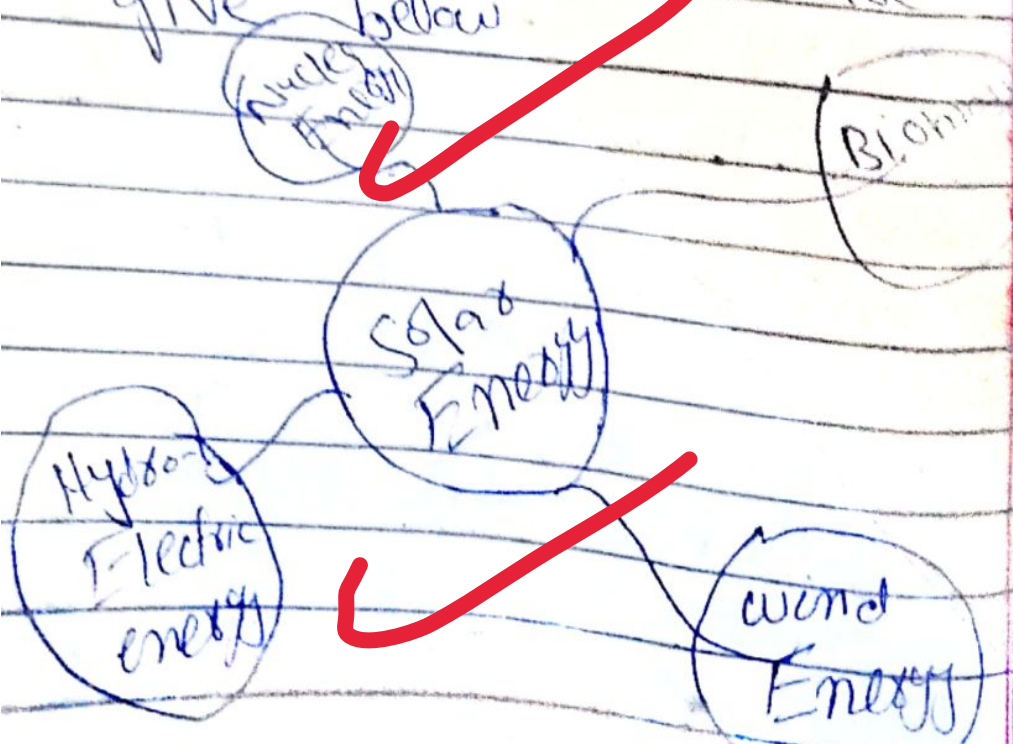
Renewable Resources

Renewable Resources are source of energy that are ~~utilize~~ renew again and again. It is inexpensive, not 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 valleys and higher elevation take place. The water is store in the reservoirs. The water down and Gravity push it through penstock, it further attached with turbine propeller turbine make 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 rivers, Ocean, forest, valley. The water reach channel. The Turbine removed the sediments from it which is harmful for generation. They fall on turbine generation move away.

(3) Wind energy

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

The mechanical energy can and other process.

done. Air less than 15 km/h not form energy.

Pakistan have coastal areas of southern

coast areas of Karachi.

Northern areas.

2.5 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-metallic. 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.

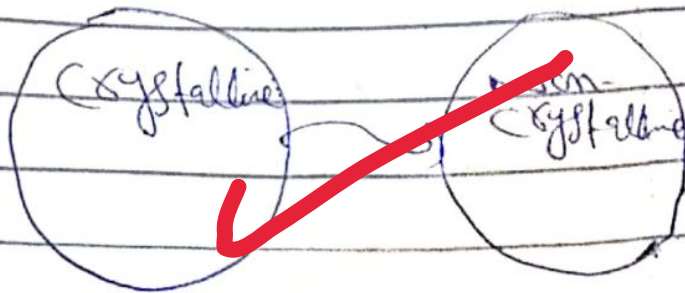
its a fine art of china. which is used to create many thing

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

3.5 It is glass-like substance that is manufactured and has a sticky-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.

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Q

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.

uses of
anti-biotics

anti-biotic is used to kill bacteria.
it is used to boost immunity.
it is used to stop organisms spread in body.
it is used in high-risk.
To kill harmful bacteria that are cause of disease.

Types of anti-biotics

The most widely antibiotics that are use are

1- Penicillin

it is used to treat urinary tract infection.

2- Cephalosporins

it is used to treat infections of skin and ear.

3- Amphotericin

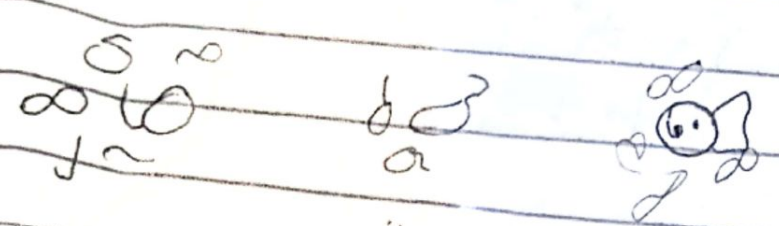
Tobramycin is used to treat eye infection.

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 increase its mass in colonies	produce antibody that resistance spread	it contain survival trait
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widely use of anti-biotic weak immune system that resistance again diseases stop. That are not effective on given diseases.

Side-effect of anti-biotics

All the medicines have side effect. But we cannot bother

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

Benefits of anti-biotics

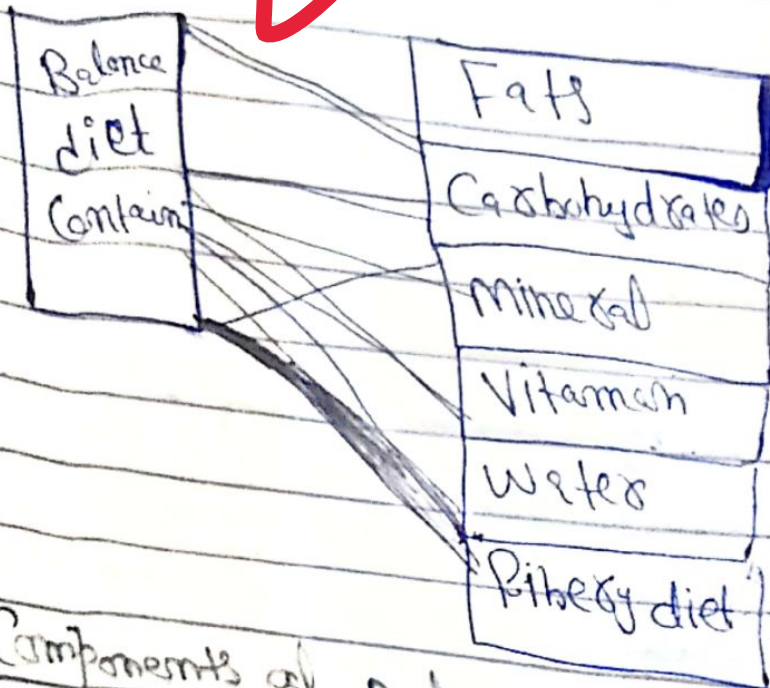
- (1) Protects from different disease
to boost immune system.
- (2) Kill bacteria that are
harmful for body. stop the
growth of bacteria to spread
in the body

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

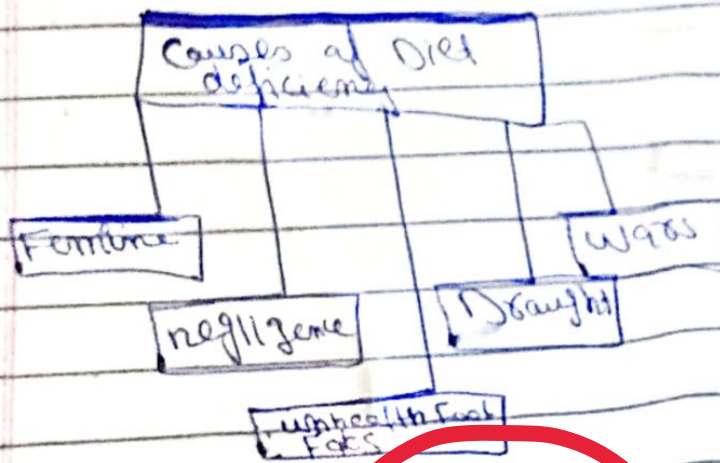
it act as a vehicles transfer different material to

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

4. Fiber diet

It is indigestible 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. The form a chain. If any part of the chain is missing, it causes devastating effects on

body

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

2) it form critical function like brain 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 Green vegetable	Night blindness Dryness of skin
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The vitamin regulates different functions of body. Deficiency of vitamin devastating the body functioning.
