g + ⇒ What is an ecosystem? Define its

Sol: An ecosystem consists of an assembly of mutually interacting organisms and their environment in which materials are interchanged in a largely cyclical manner. An ecosystem has physical, chemical, and biological components along with energy sources and patrways of energy and material interchange. The environment in which a particular organism lives is called its habitat. The role of an organism in a habital is called its niche.

An ecosystem has two components

the blobbe components consisting of

living thenows, and the ablobbe poutlon

consistency of elements that are not

alive. The non living consisting of

constitutests are said to include the

following category, habitat, gases, solar

readiation, temperature, moisture and inorganic

and organic nutrients.

823 What is water pollution? White the difference between water borne and water Enduced diseases. Plot diagram of Con & S sycle. Soi! Water pollution is the contamination of water sources by substances conich make the water ususable for drinking, cooking, cleaning, and other activities. Pollutants include chemicals, trash, bacteria and Water induced disease: Various disorders can be related to water quality problems. Deterioration in water quality will affect the entire aquaisum population, nesulting in napid fish mortalities. Voulous categories of common tonic conditions will be descussed below in in relation to water quality deterloration in the aquarium:
(2) Nitrogen compounds (ii) Chlorine and chloramines (iii) Heavy metals (iv) Pestecides. Water borne deseases: They are caused by pathogenic microorganisms which

contaminated fresh water is consumed contaminated fresh water, used in the contaminated fresh water, used in the preparation of food, can be the source of food borne diseases through consumption of the same microorganisms. Water borne diseases can be caused by protozoa, viruses, can be caused by protozoa, viruses, intestinal parasites.

Q3 > White a short note on air and noise pollution.

Air Pollution: Air pollution reejeus
to any physical, chemical or beological
change in the air . It is the
contamination of air by harmful gases,
dust and smoke conich affects plants,
animals and humans drastically.
There is a ceretain percentage of
gases present in the atmosphere. An
increase or decrease in the composition
of these gases is harmful to sward.

There are two types of air pollutants.

(3) Phimary pollutants are the pollutants that directly cause air pollutants. En 502

(12) Secondary pollutants are those which are formed by intermingling and rin of pulmary pollutants. En Samog

Nolse Pollution: It is unwanted, or excessive sound that can have detections effects on human health, weldlige and envenomental quality. No see pollution is commonly generated inside many industrial facilities and some other workplaces, but it also come from railway, highway and auxplane traffer and from outdoor construction activities. At cordain levels and durations of emposure, of can cause physical damage to eardrum and the sensitive have cells of the Enner ear and result & temporary of permanent heaving loss, known as noise - en duced heaving loss: 94 » Write a short note of on and green house

gas effect.

Acid rain: Acid rain, also called acid precipitation, or acid deposition, precipitation possessing a pM of about 5.2 Ox below premarely produced from the emersion of sulphue dionide and netrogen onides from human activities, mostly the compustion of Jarsil Jucls. Acid has contributes to convosion of surfaces enposed to are pollution and is responsible for the deterioration of linestone and marble buildings & monuments.

Greenhouse effect: greenhouse effect, a coursel coursel of earth's surface and troposphere coursel the lowest layer of atmosphere) caused by the presence of water vapoure, carbon diorde, methane and certain other gases in the air. Of those gases, known as greenhouse gases, water vapour has the largest effect. Although greenhouse effect as naturally accurally phenomenon, It is possible that the effects could be intensified by emission of greenhouse gases into