Write 4 points of difference between aerobic and anaerobic respiration

aerobic respiration	anaerobic respiration
oxygen is present when this form of respiration takes place	oxygen is absent when this form of respiration takes pl
It involves the exchange of gases between the organism and the outside environment	Exchange of gases is abs
It can be found in the cytoplasm and the mitochondria	It can be found only in cytoplasm
Glucose breaks down into carbon dioxide and water	Glucose breaks down into ethyl alcohol, carbon dioxi and energy

What advantage does an aquatic organism does a terrestrial organism have with regards to obtaining oxygen for respiration.

Terrestrial organism breath by using atmosphere

dissolved in wale. A tennistrial animal has over an aquatic animal with regard to obtaining oxygen for respination. It's because the air in the atmosphere contains the maxium amount of oxygen

what are the diffnent way in which glucose is oxidesed to provide energy in vaniw anganism?

(i) Anaerobic respination - The respination which takes place without oxygen is called anaerobic respination Example - Yeast and some bacteria breakdown glucose into ethanol and carbon dioxide

(ii) Aerobic respination - The respination which uses oxygen is called aerobic respiration Example plants and animals breakdown glucose completely into carbon dioxide and water to release example Plants and animals breakdown glucose completely into carbon dioxide and water to release energy.

How is oxygen and carbon dioxide is transport in humon beings

(1) oxygen enters the blood from the lungs and carbon dioxide is excelled out of the blood into the lungs

(ii) The blood serves to transport both gases

(iii) oxygen is carried to the cells

(iv) Carbon dioxide is carried away from the cells

(9) How are the lungs designed in human beings to max. the area for exchange of gases ?

In humans a pairs of lungs are designed in such a way that they are lined by a thin membrane the smaller tubes called bronchioles a balloon like structure called alveoli and a network of blood capillaries increases the surface area for the exchange of gases

Why is the trachea provided with cartilaginous ring

The cartilage ring is C shaped because trachea press against the oesophagus. It prevents the trachea from collapsing during breathing in and out. In humans there are about 15 to 20 incomplete C-shaped cartilaginous ring.

How are the alveoli designed to maximise the exchange of gases

Alveoli are pouch like air sac that is made up of simple squamous epithelium It has a thin cell wall to facilitate gaseous exchange. The presence of millions of alveoli in the lungs provide ample surface area to facilitate gaseous exchange between the air in alveoli and blood in surrounding capillaries oxygen diffuses across the alveolar and capillary wall into the bloodstream while carbon dioxide diffuses from blood across the mentioned walls into the alveoli