Nutrition in arimals chapter-2 Qui. Fill in the blanks :to The main steps of nutrition in humans are ingestion, digestion, absorption, assimilation and egistion. (b) The largest gland in the human body is liver (c) The stomach releases hydrochloric acid and digestive juices which act on food. d) The innerwall of the small intestine has many finger like outgrowths called <u>villi</u> (e) Amoeba digests its food in the food vacuale and Mark 'I' if the statement is true and 'F' if it is false. (a) Digestion of starch starts in the stomach[F] & The tongue helps is I mixing food with saliva The gall bladder temporarily stores beli ITI d) The runinants bring back swallowed grass in to their mouth and chew it for some line [T]

pa3. Tick the correct answer (a) Fat is completely digested in the (ii) mouth (III) Small intestire V (1V) large ertistine b) water from the undigested food is absorbed mainly in the (i) stomach (11) food hepe (11) Small extertine (10) large intertine v But Match the following Column + column I tod components Product of digution Carbohydratis atly acids and glycere Proteins Sugar Fods Amino acids

Qu5: what are villi? what is their location and -function ? finder ? Mai ville are ting finger like projections originating from the walls of the small intertene. They encrease the surface area for absorption of the diglested food The blood versels present inside the ville can absorb the nutrients from the digested food. And: where is the file froduced? which component of the food does it help to digest? Ans Liver secretes the file juice which is stored in the gall bladder. Bile plays an important role is the digestion of fots digested by reminants but not by heimans. Guil the reason also can be digested by runinants and not by humans. Runinants have a large sac-like structure between small and large intestire where the ford centaining cillulose is digested by the action of certain salctuia. On the other hand, human annot degest cullulose, as the cullulase digesting enjumes are absent in them.

Aug: why do we get instant energy from glucou? And: Clucose is of simple sugar. Carbohydrates, when consumed, have to be digested into duced. As glucose can be easily absorbed is blood, it provides energy to the body Hence, when glucose is directly staken, it does not have to be digested and thus acts as an instart yource of energy. oug: which part of the digutive canal is involved in (1) absorption of food (11) chewing of food (11) Killing of bacteria - Small intertere buccal cavite stomach. NI complete digestion of food - Imall intesterie (V) formation of faeces large intertine noto: - white one similarity and one difference between the nutrition is smooth and human beings. ANS Similarity : Both Amoeba and human require energy for the growth and maintenance of their bodies. This energy is derived from food that they eat. The food that the that they consume is always in a complex form and is therefore broken down into simple forms by the process of digestion. Hence both these organsmo are hetero testill's signiture:

why do we get instant energy from glucou? and clucose is a simple sugar. carbohydrates. when consumed, have to be digested fin to glucese. As glucose can be easily absorbed in od it povides energy to the body. Hence, when directly Staker, it does not have digested and thus acts as an instart yource energy. 249: which part of the digutive canal is involved in: (1) absorption of food (11) chewing of food (11) Killing of bacteria - (Small intere cavite stomack NI complete digestion of ford-Amall intesterie (1) formation of faeces large infutine 9410: - white one similarity and one difference between the nutrition is smooth and human beings. ANS Similarity Both Amoeba and human require energy for the growth and maintenance This energy is derived from dies. food that they eat. The food La complex for consume is always en is therefore broken down into simp forms by the process of digestion. Here both there organismo are hetero trent 4 signifiure:

Difference - Amoeba captures the food with help of pseudopodea and engulfit. In human beings food is leven by the morth? Bull can we survive only on haw, leafy regetables / grass? Disculs. ans: No, Humans cannot survive only on haw; leafy regetables or grass It is because the grass is rich in kellulose, which is a type of carbohydrate that hamans are not able 18 digest due to the absence of cellulose digesting enzymes. Quiz Match the items of column I with suitable items in calumn II Calumn I Calumn I a Bile juice Secretion (6) Stokage of undigested food (a) Salivary gland (b) Stomach ci Isalina secretion (c) hever Id Acid release d) Rectum Kel Digestion is competed. I Small intestine Addsorption of water. Large ertisteri

