a) Gastric juices

- -The muscle which controls the opening of the stomach is called the cardiac sphincter.
- -The muscle which controls the closing of the stomach is called the pyloric sphincter.
- -The stomach contains mainly two enzymes called pepsin and renin.
- -Pepsín breaks down protein into peptides. Renín beaks down caseinogen into caseín.
- -The stomach produces hydrochloric acid. Hydrochloric acid provides optimum pH for the enzymes to become activated.
- It also kills bacteria taken in with food. The stomach is lined with mucus to

- protect itself from the corrosive properties of hydrochloric acin.

 b) Churning

 -Mechanical diple on also occurs the stomach. The food is mixed by muscle movements of the walls of the stomach.
- -This forms a paste known as chyme.

c) Temporary storage

-How long food remains in the stomach depends on the nature and physical state of the food.

4. Small intestines

a) Duodenum