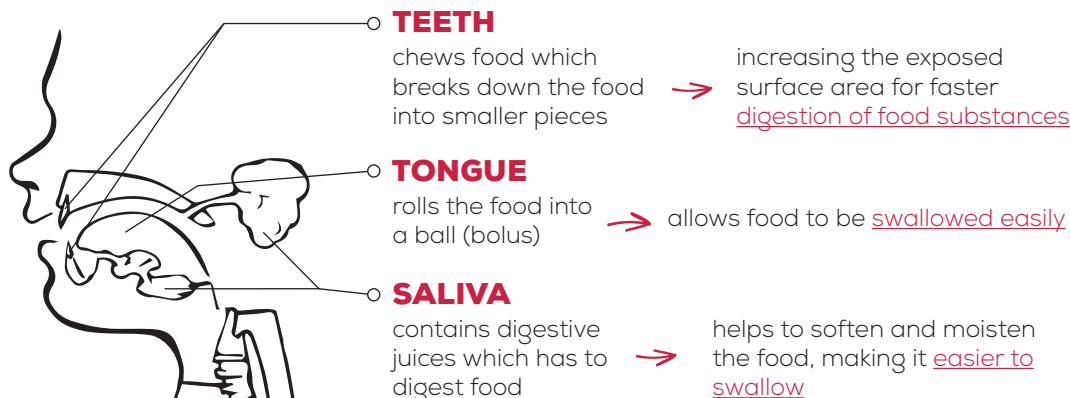


DIGESTIVE SYSTEM

The digestive system helps to **break down** food into **simpler substances** which is absorbed into the bloodstream and transported by the circulatory system to all parts of the body for **respiration to release energy**.

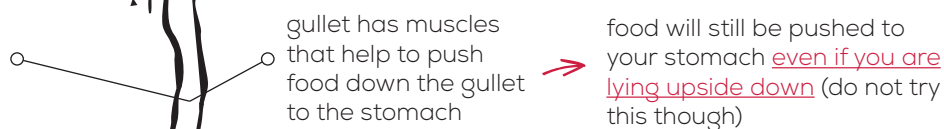
MOUTH

Digestion begins here



GULLET

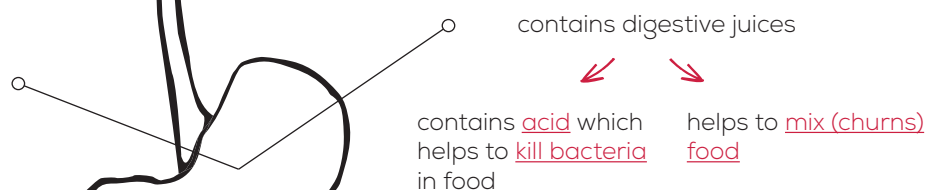
No digestion takes place here



STOMACH

Digestion takes place here

Food is stored for a few hours in the stomach before being released into the small intestine



SMALL INTESTINE

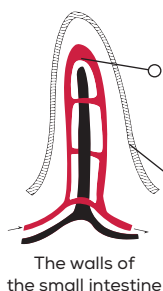
Digestion is complete here
Absorption begins here

contains digestive juices

↪ most amount of digestion takes place here

digested food is absorbed into the blood vessels (capillaries) through the walls of the small intestine

numerous folds called villi which helps to increase the exposed surface area for faster absorption of digested food



↪ if part of the small intestine is removed, it may lead to malnutrition since the small intestine is responsible for the absorption of digested food

* Blood passes through the small intestine

↪ Less oxygen: Some oxygen is used in the process of respiration to release energy
↪ More digested food

LARGE INTESTINE

Absorption ends here

absorption of water and mineral salts only

↓
if the large intestine was not working well, faeces may become watery as water is not absorbed from undigested food

* many students make the mistake that undigested food/waste material is absorbed into the large intestine

waste material travels to the anus where it is passed out of the body

ANUS

Where waste material is passed out of the body

