

The Stomach

- Shaped like the letter J, found to the left of the umbilicus

- Contains Hydrochloric Acid (HCl) and enzyme PEPSIN (which digests protein) and mucus.

[Gastro = stomach
Peps = digestion]

GASTRIC
JUICE

- Gastric juice mixes with the bolus and is now called **CHYME**.

* Protein is the only nutrient digested in the stomach !!

- Inner folds are called **RUGAE**, they allow the stomach to expand.

- **PYLORIC SPHINCTER** - ring like muscle, that opens & closes to keep food in the stomach or let it pass.

(Sphincter = ring like muscle, just like the ANUS)

SMALL INTESTINE

- about 27-30 ft long. Its called "small" because it has a thinner lumen (inside space) than the Large Intestine.

Three Sections:

1. DUODENUM - 1st 10 inches.
2. JEJUNUM - 2nd 7ft or so.
3. ILEUM - last 12 ft.

Terminal Ileum = end that connects to large intestine.

} one villus

The entire inside surface of sm. int. is covered with **VILLI** (villus=singular) (villi are finger-like projections that increase surface area, allow maximum nutrient absorption).

* Sm. Intest. is where most DIGESTION occurs!! It is also where most NUTRIENTS are absorbed → into BLOODSTREAM!

LARGE INTESTINE

- Also called the COLON or the BOWELS.
- About 5-7 ft. long. Wider LUMEN than sm. intest.

* Responsible for the Absorption of WATER!
↓
into the Bloodstream!



