

## Digestion Wrap-Up

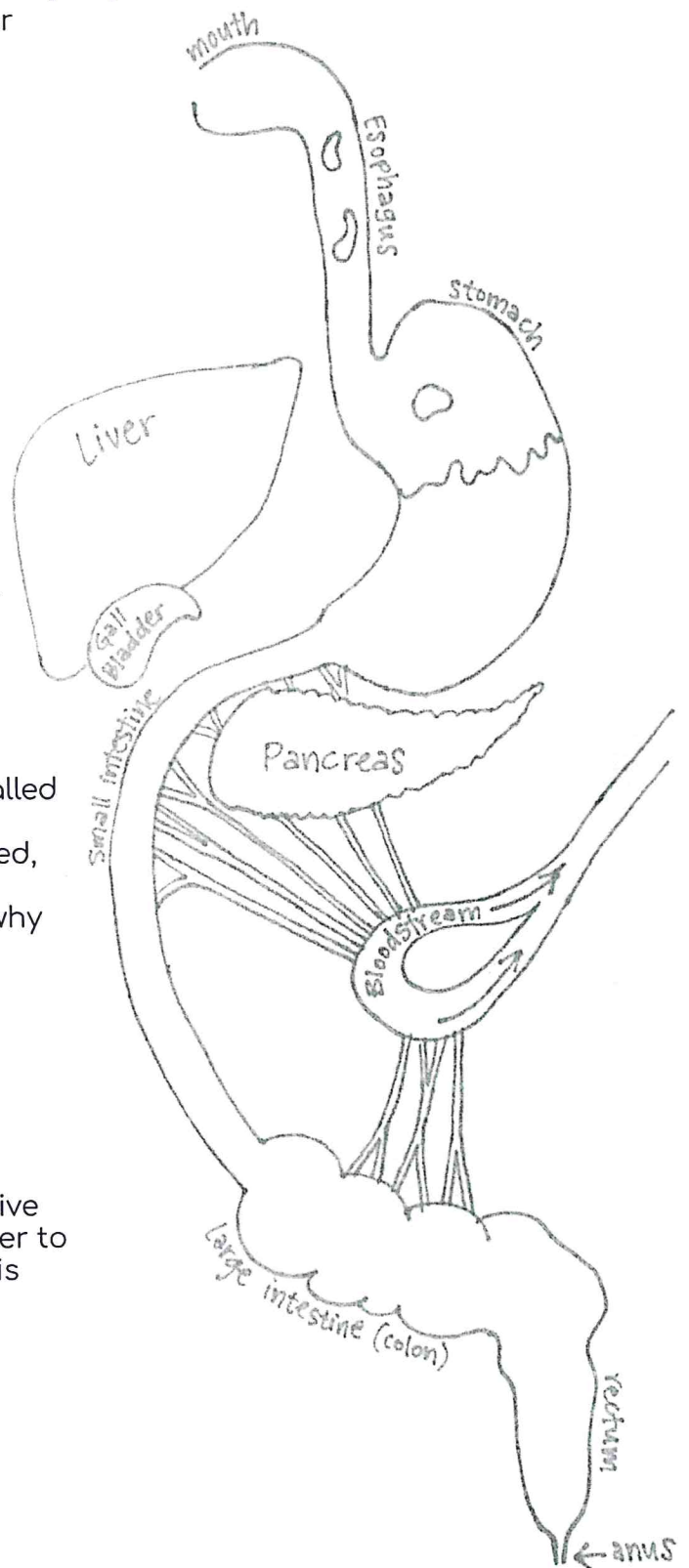
1. Where do nutrients from food actually enter the cells that make up the tissues in your body?

2. What is in poop?

3. Has the stuff in poop actually been in your body cells?

4. Bacteria live in your large intestine (also called your "colon"). They break down some of the foods that you haven't digested or absorbed, like cellulose from plant fibers. They make methane gas as a waste product. Explain why beans give people gas.

5. If you have something nasty in your digestive system, your colon will stop absorbing water to flush the nastiness out. What do we call this phenomenon? Why is it important to keep drinking lots of fluids?



# Put it all together!

## 1. HIGHLIGHT

- Food and water entering the mouth
- Absorption nutrients into the bloodstream from the small intestine
- Absorption of water and nutrients into the bloodstream from the large intestine (colon).
- Feces leaving the rectum

## 2. COLOR

- BLUE: All blood flowing towards the liver
- PURPLE: Liver
- BLUE: All blood flowing toward the heart
- RED: Heart
- BLUE: Blood leaving heart, going to the lungs
- BROWN: Lungs
- RED: Blood returning to heart from lungs
- RED: All blood flowing away from heart
- ORANGE: Kidneys
- YELLOW: Tubes leading from kidney to bladder
- YELLOW: Bladder
- YELLOW: Urine

- ## 3. OUTLINE
- the body cell in black and think about what the diagram says. (This is true for each of the trillions of cells that make you. The circulatory system is an amazing pick-up and delivery service, and we'll study it later).

## 4. LABEL in the boxes:

- O<sub>2</sub> into the lungs
- CO<sub>2</sub> out of the lungs
- Blood contains cell waste that needs to be filtered.
- Cell waste filtered out of blood into urine by the kidneys
- Clean blood

## 5. EXPLAIN

- Two things body cells need to get from the blood:
- Two things body cells need taken away:
- The difference between urine (pee) and feces (poop):

