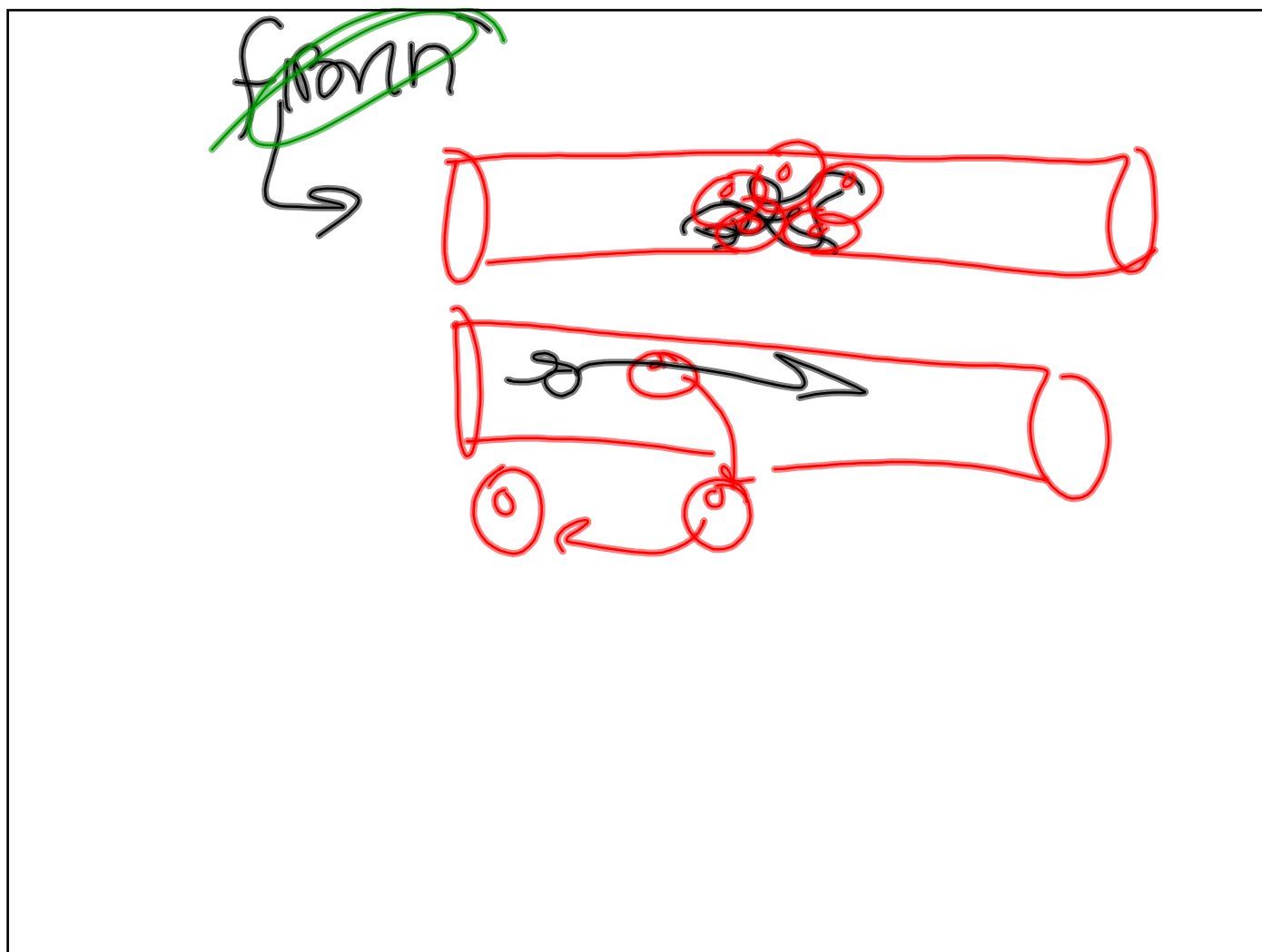
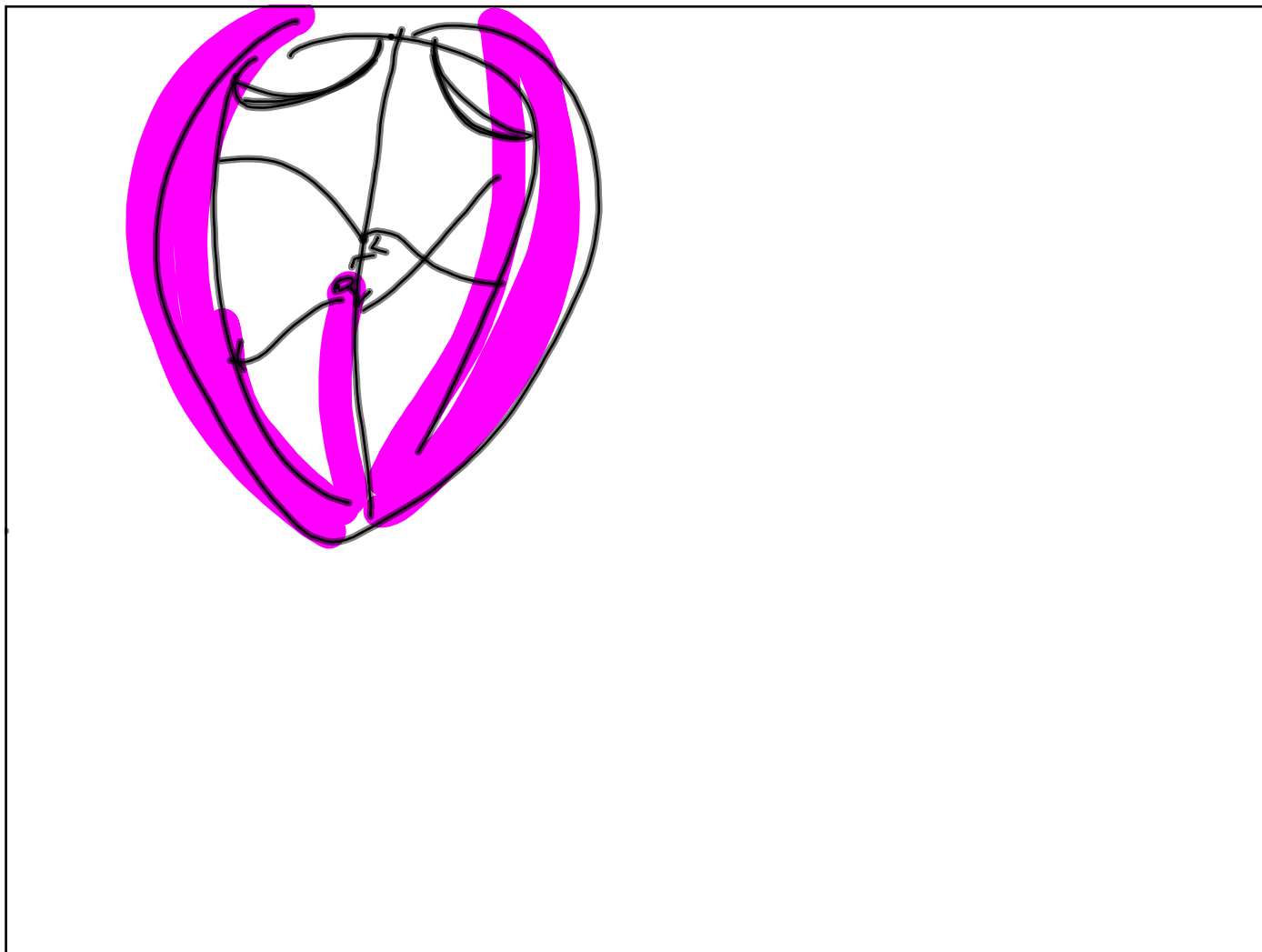


What
is
the
primary
function?

Systemic

give O_2 , hormones, food
to your Body's Cell
+ Remove cell poop +
 CO_2





Paul: Gets a terrible splinter - pierces his brain. in travels a bacterium.

1) Splinter has already passed the non-specific (skin/snot) Defense

2) 2nd line of non specific is nflammation and interferon, he gets puffy vessels and if it were a virus it would help slow its reproduction.

3) Cellular Immune Response:

- Helper T, calls for help by releasing chemicals
- Killer T, "Smell" the chemical up gradient and STABBBBBBS the intruder
- Killer and helper T are cleaned up by suppressor once the infection is completely concoured

4) Hummoral immune response:

- Antigen (a protein complex on the surface of a pathogen) is recognized by an ANTIBODY on the surface of a B-Cell

The B Cells that are carrying the correct antibody start to proliferate and release their anibodies (they are called plasma B cells)

- Antibodies from the plasma attach to the pathogen - grabbing many pathogens, handcuffing them together and calling for them to be killed.

RBC: Do not carry genetic material without a nucleus, but other cells in your blood, like white blood cells do.