

HELLO

_____ name

About Me 3D
Sample
Version

Jump
SIMULATION

 OSF HealthCare
Children's Hospital
of Illinois

 **THE UNIVERSITY OF ILLINOIS**
COLLEGE OF MEDICINE
PEORIA CHICAGO ROCKFORD URBANA

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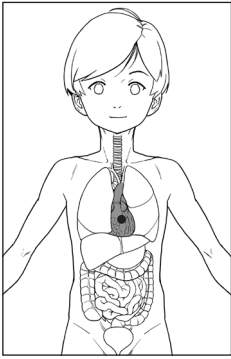
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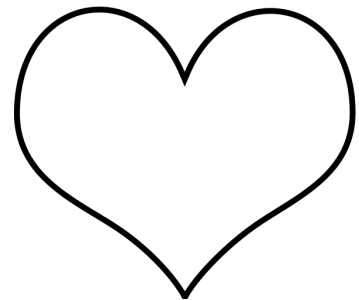


Your Heart

part of the Cardiovascular System



A large muscular organ about the size of your fist. The heart pumps blood to the rest of your body.



While it isn't shaped like a Valentine's heart, it has a right and left side. Both play important roles in making your blood flow!

Your Arteries & Veins

part of the Cardiovascular System



Your blood is made of multiple cells:

Red Blood Cells



Red

White Blood Cells



White

Cell Wall



Blue

Platelets

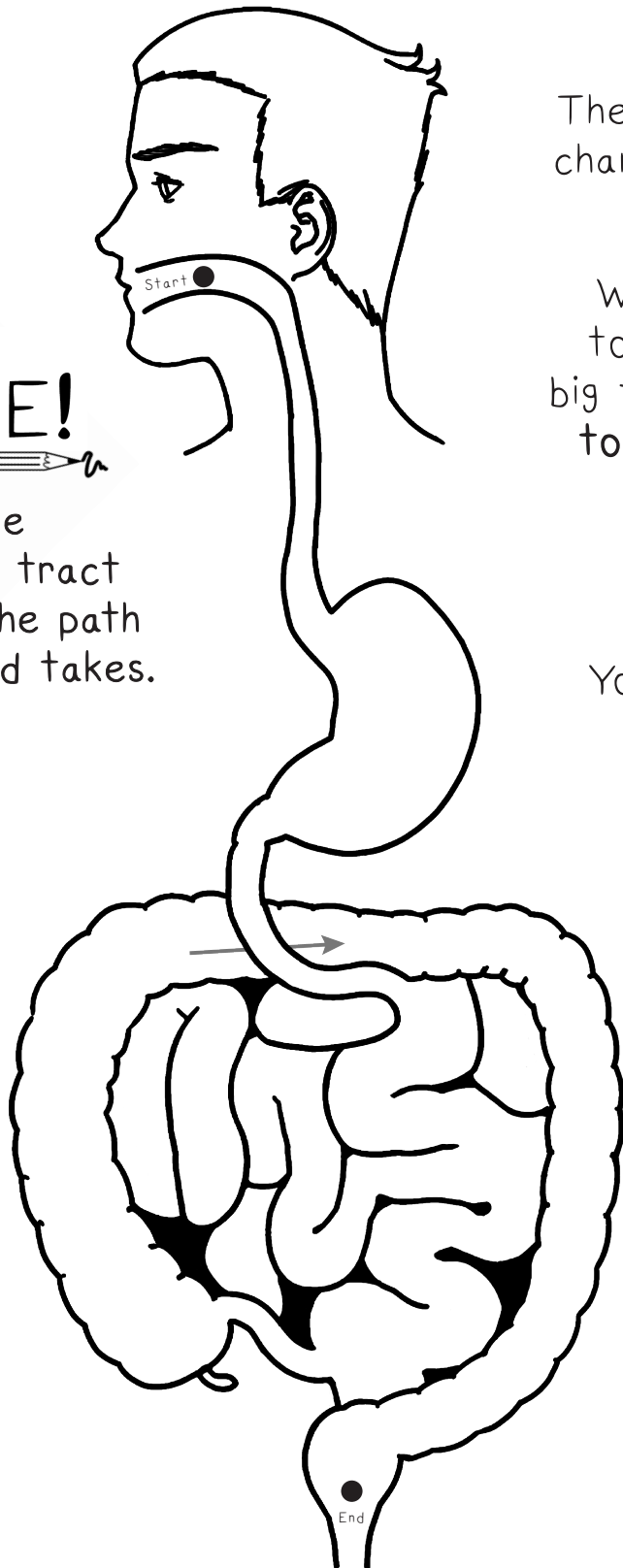


Purple

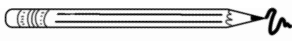
Plasma is Yellow

Your Digestion

part of the Digestive System



MAZE!



Follow the digestive tract to see the path your food takes.

The digestive system helps to change food into nutrients and energy for the body.

We chew food in our **mouth** to mix with saliva and break big food into tiny pieces. Your **tongue** helps you taste food.

Your stomach breaks the food down before sending it to your small intestine.

Your guts absorb nutrients to help you grow strong and stay healthy.



About Me 3D

The Jump Simulation PNC Coloring Book was made possible through a generous grant from the PNC Foundation, and is an extension of the Jump Science, Technology, Engineering, Art and Mathematics (STEAM) program that serves middle school through college students. A collaboration between the Jump Medical Visualization (MedVis) team and interns accepted into the competitive Jump internship program, the coloring book brings the STEAM experience to children and teenagers who are admitted to OSF HealthCare Children's Hospital of Illinois for extended periods of time.

The MedViz team at Jump specializes in creating advanced applications in video, animation, 3D imaging, 360 degree environments, medical illustration, VR/AR, instructional design, graphic design, distance/online education, mobile app design and bioengineering applications to achieve education goals.

More information available at:

Jump Simulation: www.jumpsimulation.org

OSF Innovation: www.osfinnovation.org

University of Illinois College of Medicine Peoria: peoria.medicine.uic.edu

PNC Foundation: www.pnc.com