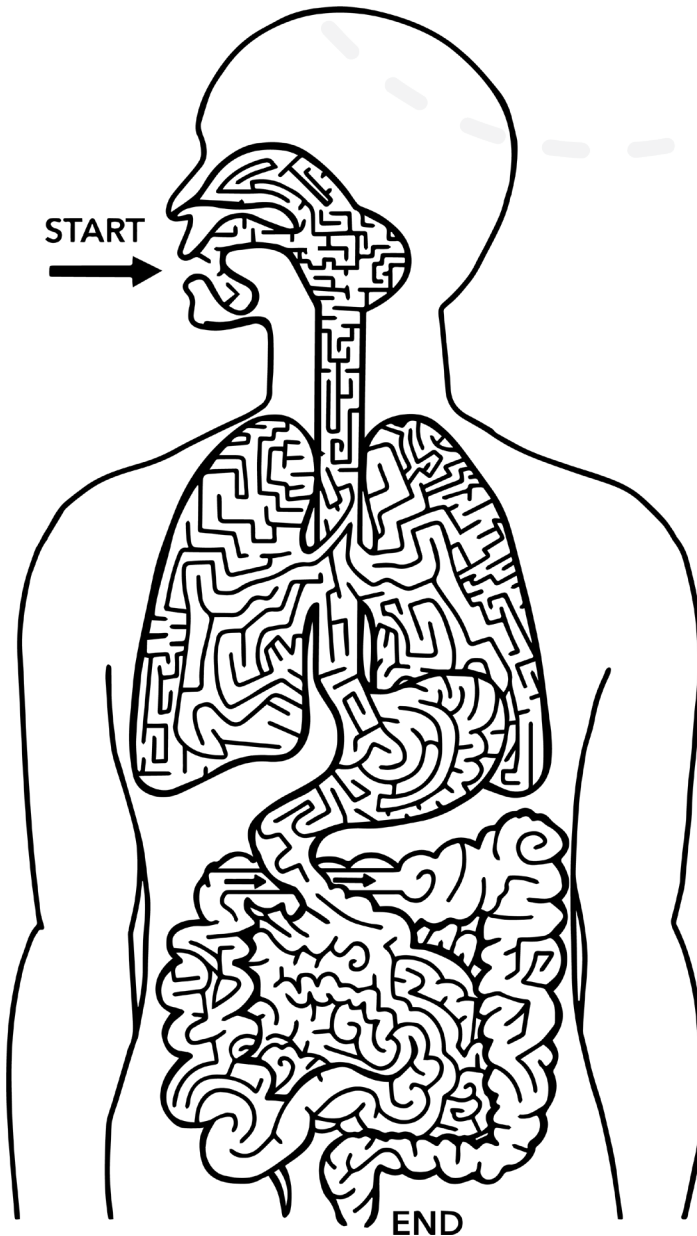


Systems Maze

This activity was created by Shannon.

Follow the maze to navigate through the body systems (from the entry point of food or air, through the body, and out!)

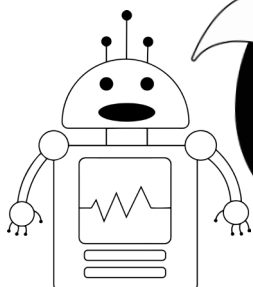


It's important to recognize that the individual systems in your body function interdependently, meaning that they rely on each other in order to function. Let's take a look at two of your body's systems and how they work together:

Your **DIGESTIVE SYSTEM** is all about getting food into your body, breaking down the food, absorbing the nutrients you need, and elimination of the materials you don't need.

Your **RESPIRATORY SYSTEM** works to bring oxygen from the air into your lungs and pass it through our bloodstream, where it's carried off to all the tissues and organs of your body.

The respiratory and digestive systems work together to power the body. A properly functioning respiratory system delivers adequate oxygen to the blood. Because the digestive system uses muscular contractions to break up food and move it along the tract, it needs oxygen to function properly. In turn, the respiratory system depends on a properly functioning digestive system in order to receive the fuel it needs to work effectively.



A body's circulatory system is very similar to a **circuit**. A circuit is a loop of conductive material that allows charge to flow through continuously. It's important to know that a break at any point in a circuit will prevent charge from flowing through it. The same is true for in your body; if one of your body's systems is not working, it affects your whole body!