



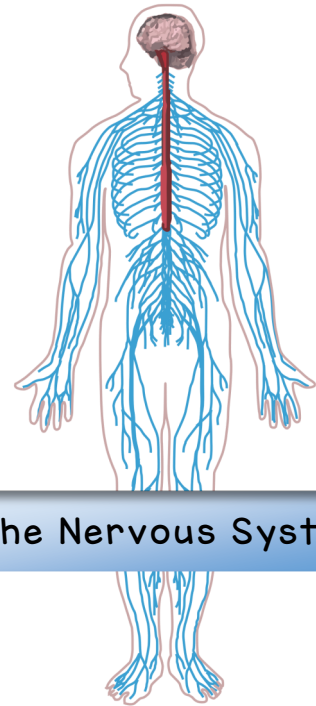
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Desjardins
Insurance

The Amazing Human Body

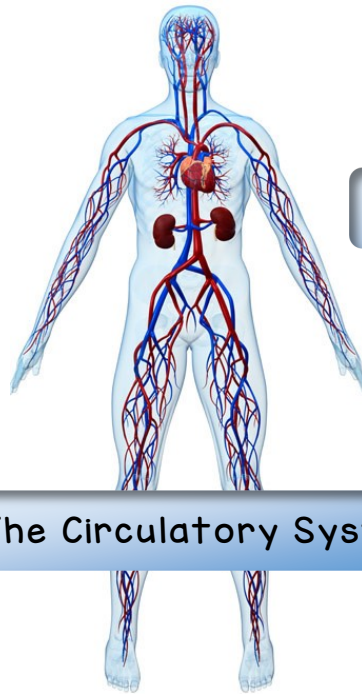
The human body is like a complex organization that has an important job to get done. In order to get everything done perfectly and on time, it has to use a system. Actually, the human body uses many systems that work side by side. These body systems depend on one another in order to make our bodies work efficiently.



The Skeletal System



The Nervous System



The Circulatory System



The Digestive System

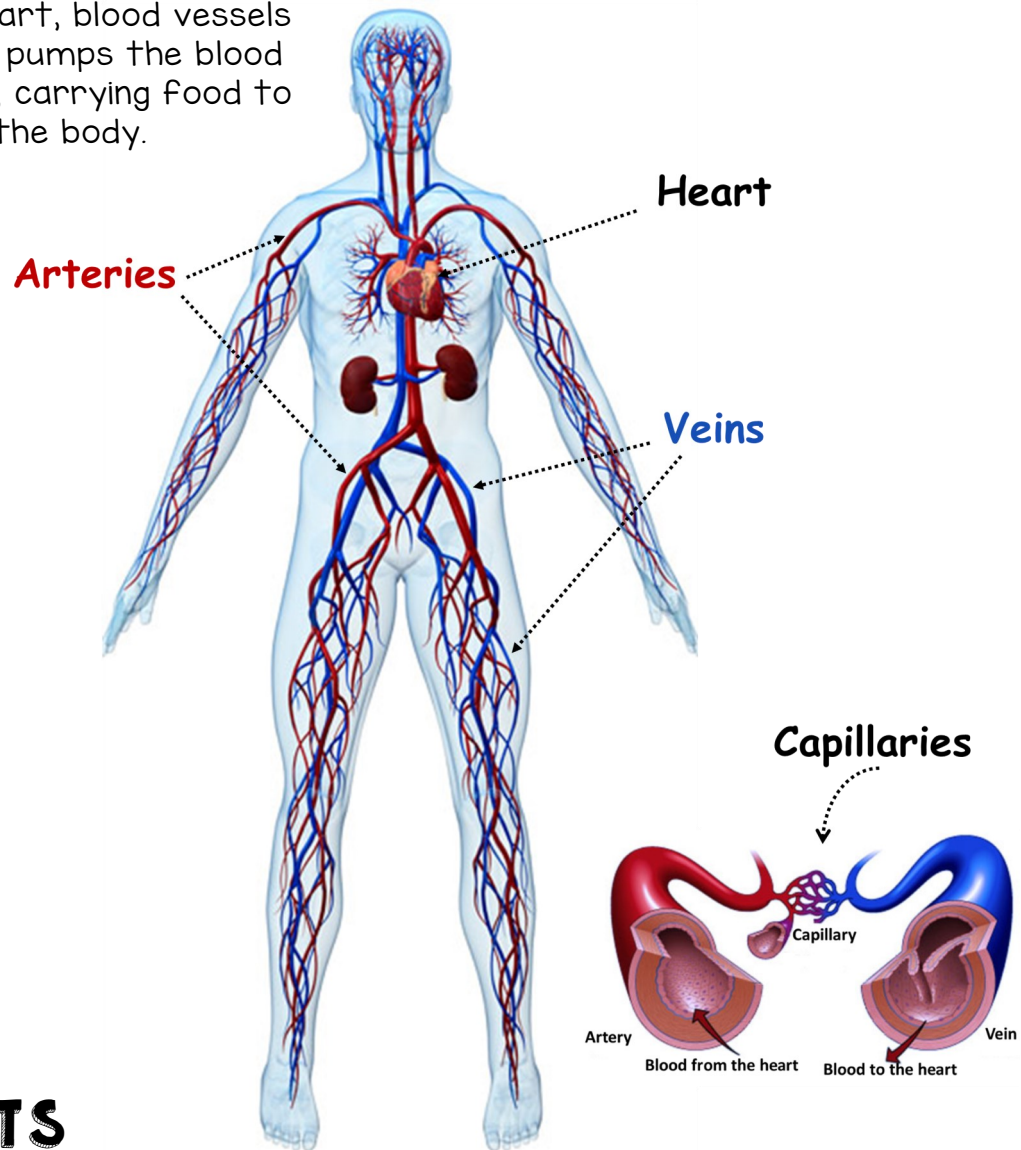


The Muscular System

Human Anatomy

The Circulatory System

It consists of the heart, blood vessels and blood. The heart pumps the blood throughout the body, carrying food to all parts of the body.

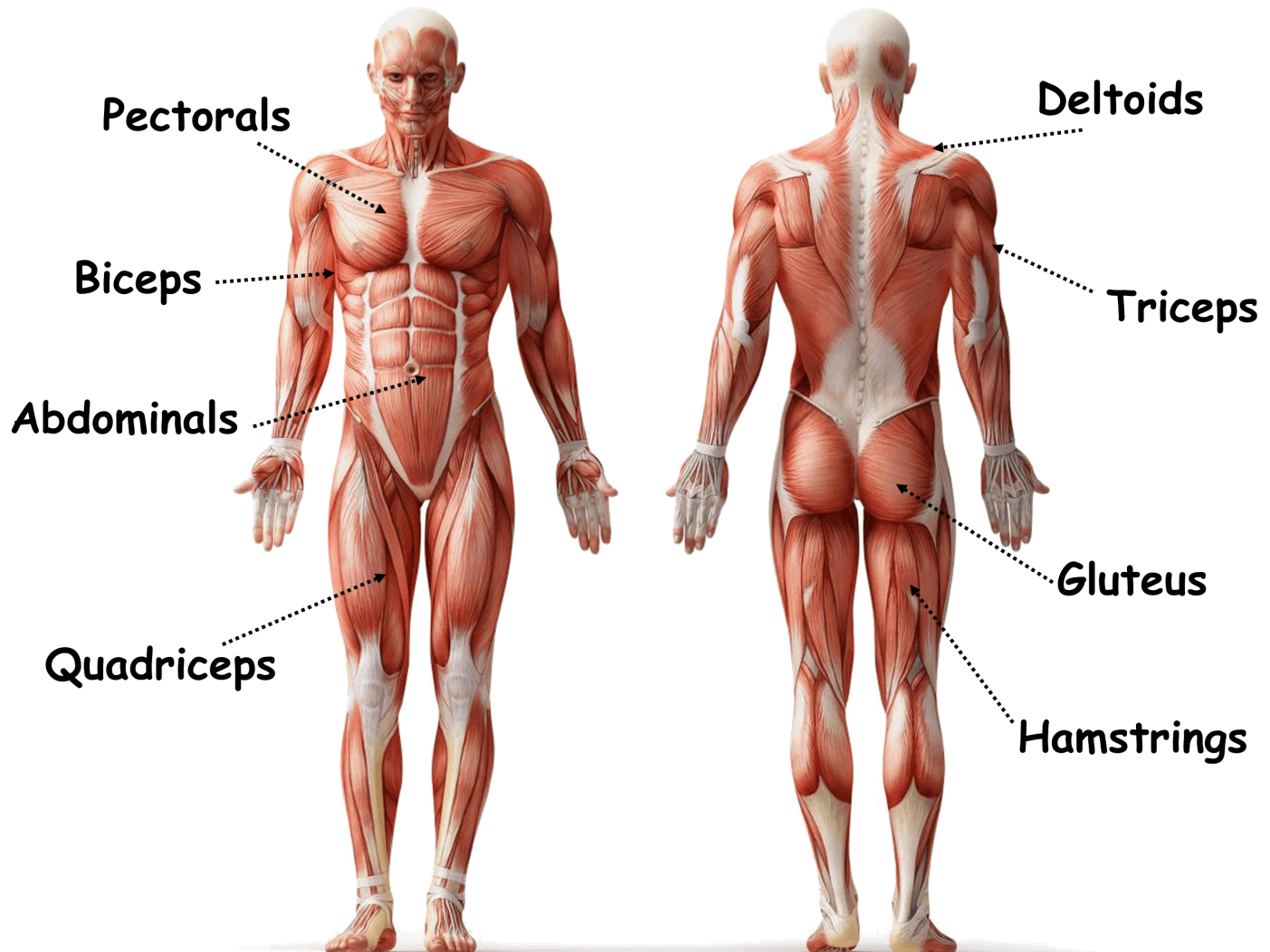


FUN FACTS

- ◆ In one day, blood travels nearly 19,000km through the body.
- ◆ Blood circulates the entire body in less than a minute.
- ◆ The heart beats about 35 million times per year.
- ◆ Your heart is about the size of a clenched fist.
- ◆ If all your blood vessels were joined together they would stretch more than 2 times around the Earth!

The Muscular System

It consists of muscles. It controls movement of all parts of our body.

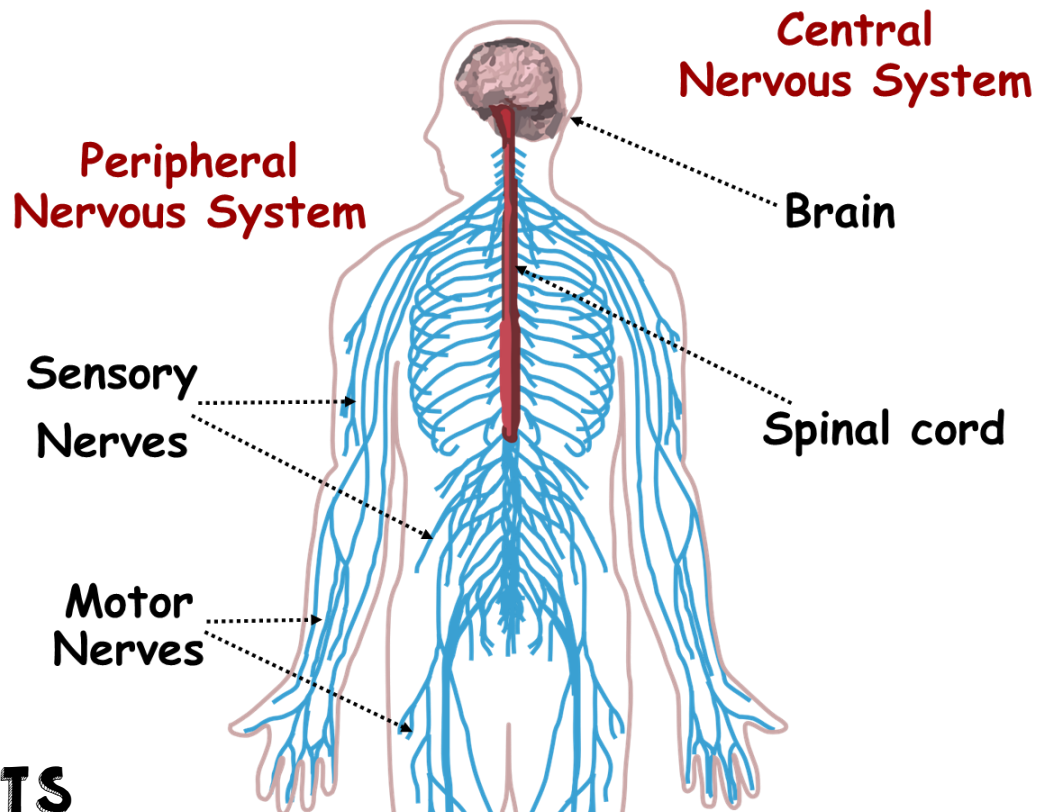


FUN FACTS

- ◆ You have more than 600 muscles.
- ◆ By weight, the muscle system is the largest of the body systems.
- ◆ Muscles use most of the body's energy.
- ◆ Muscles make most of the body's heat.
- ◆ The most active muscles in your body are the ones that control your eyes.
- ◆ The hardest working muscle in your body is your heart.

The Nervous System

It consists of the brain, spinal cord and nerves. It controls sensation, thought, movement and almost all other body activities.

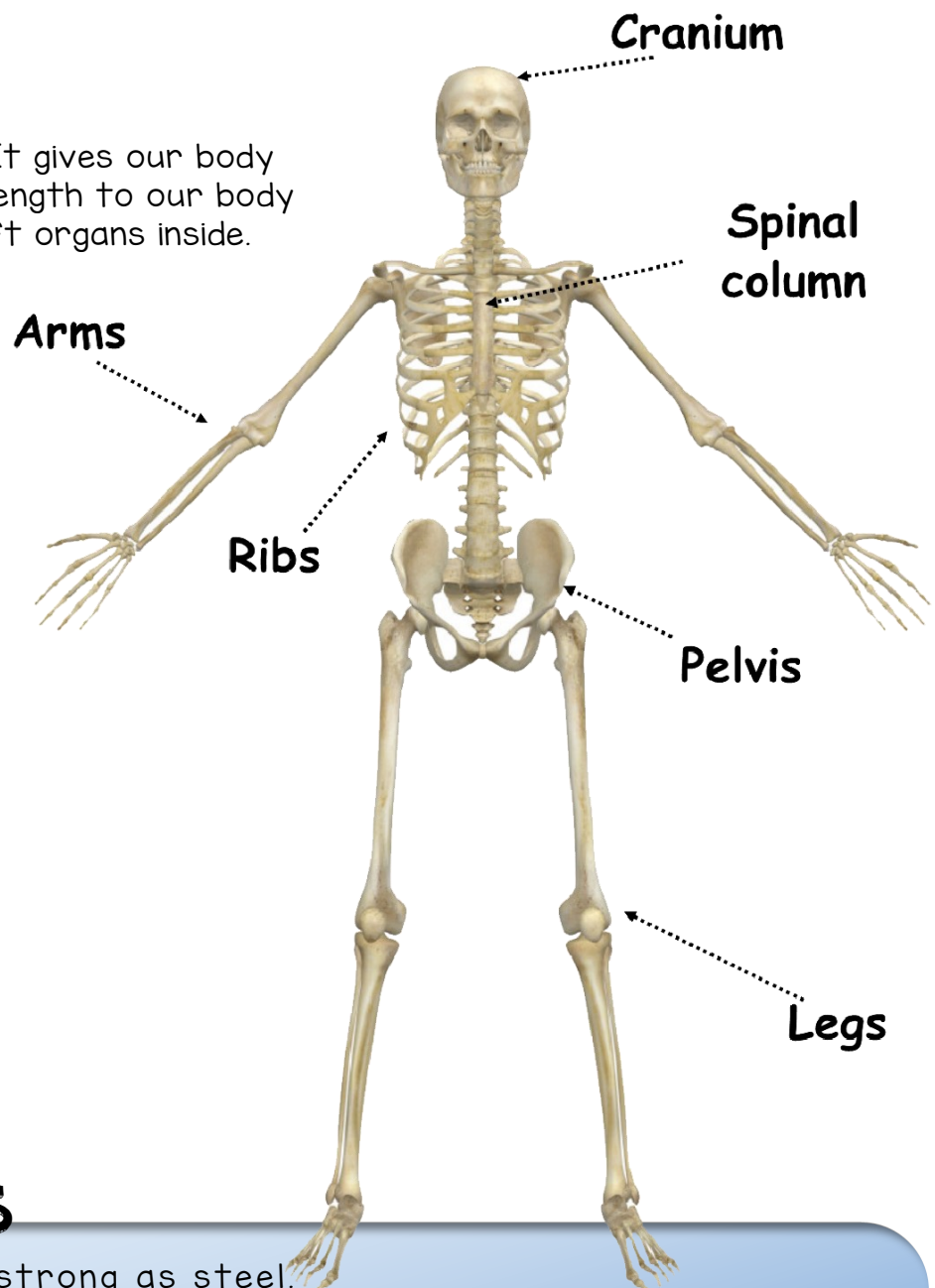


FUN FACTS

- ◆ There are more nerve cells in the human brain than stars in the Milky Way.
- ◆ On average, you only use 4% of the cells in your brain at any one time.
- ◆ The left side of the brain controls the right side of the body and the right side of the brain controls the left side of the body.
- ◆ The nervous system can transmit impulses as fast as 100 meters per second.
- ◆ There are almost 50,000 kilometres of nerves in your body.

The Skeletal System

It consists of bones. It gives our body shape. It also gives strength to our body and protects the soft organs inside.



FUN FACTS

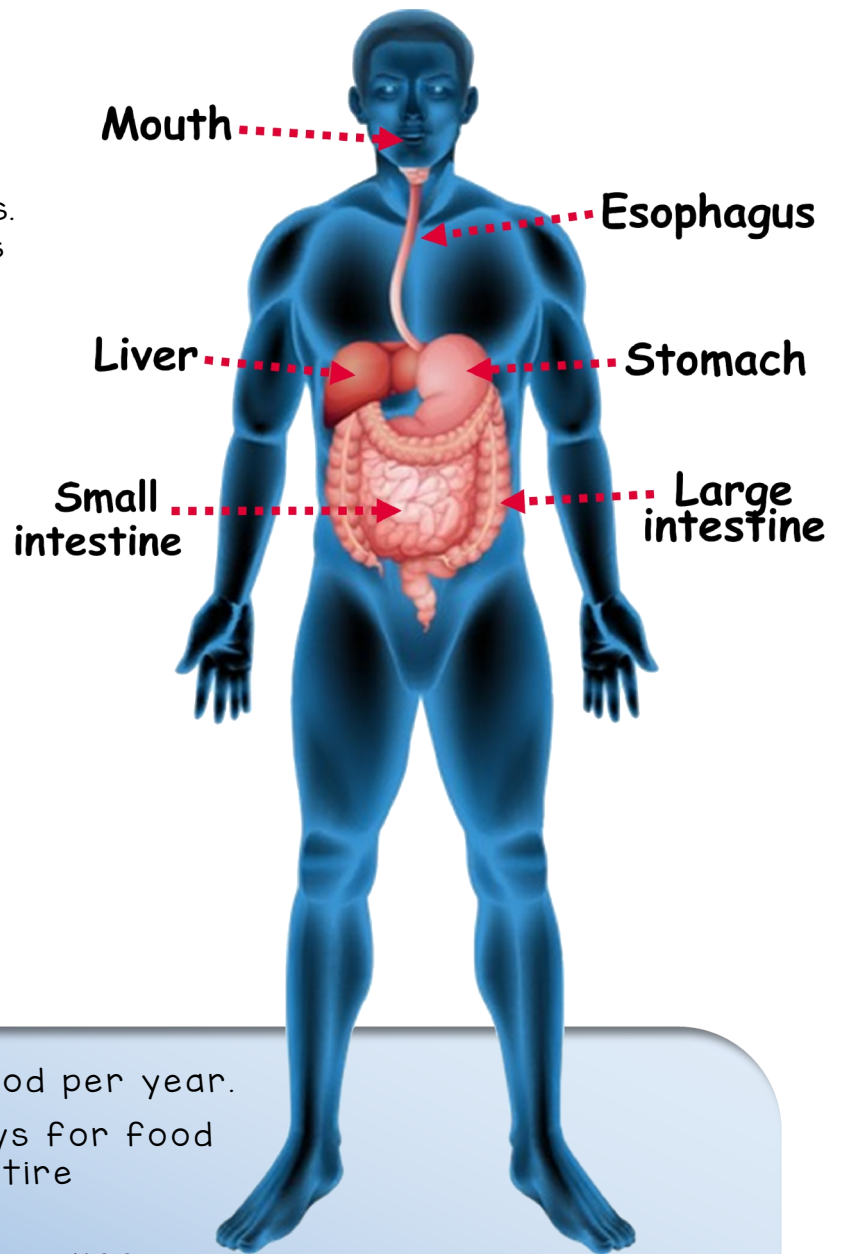
- ◆ Bone is 5 times as strong as steel.
- ◆ A giraffe has the same number of bones in the neck as humans do.
- ◆ Bones are 14% of your body weight.
- ◆ The human skeleton has 206 bones.
- ◆ The hands and feet contain over half of the body's bones.
- ◆ Every bone, except one - the hyoid, is connected to another bone.
- ◆ Bones grow up with you.



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The Digestive System

It consists of the mouth, esophagus, stomach and intestines. It breaks down food and absorbs its nutrients.



FUN FACTS

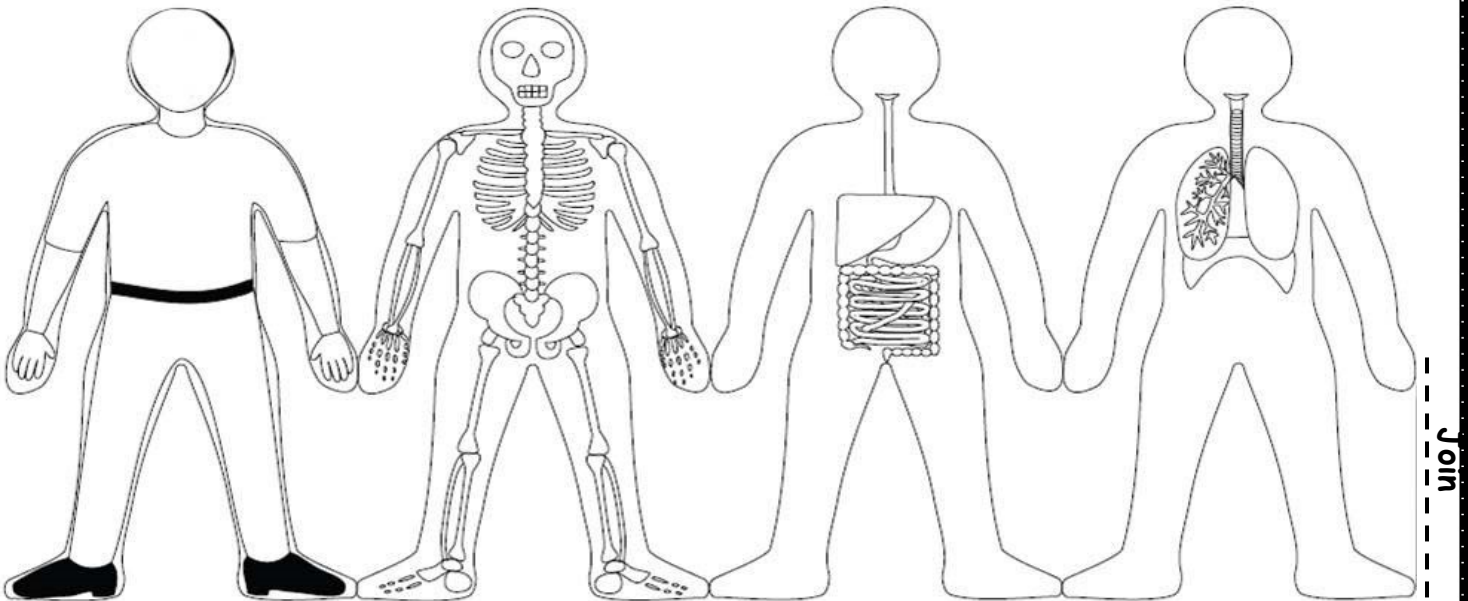
- ◆ We eat about 500kg of food per year.
- ◆ It takes around 1 to 2 days for food to travel through your entire digestive system.
- ◆ The average person has over 400 different species of bacteria in their colon.
- ◆ The liver has over 500 different functions.
- ◆ Food is cooled or warmed in the mouth until it is a good temperature for the body.
- ◆ Muscles contract and relax in the esophagus to push food down to the stomach – it works even when you're upside down!



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Create your own human body!

Here's how to make a human body "fan fold" model. Draw your face and hair onto the first body outline below. Then colour each of the body system outlines. Then cut out the 2 rows of outlines and join them together with tape.

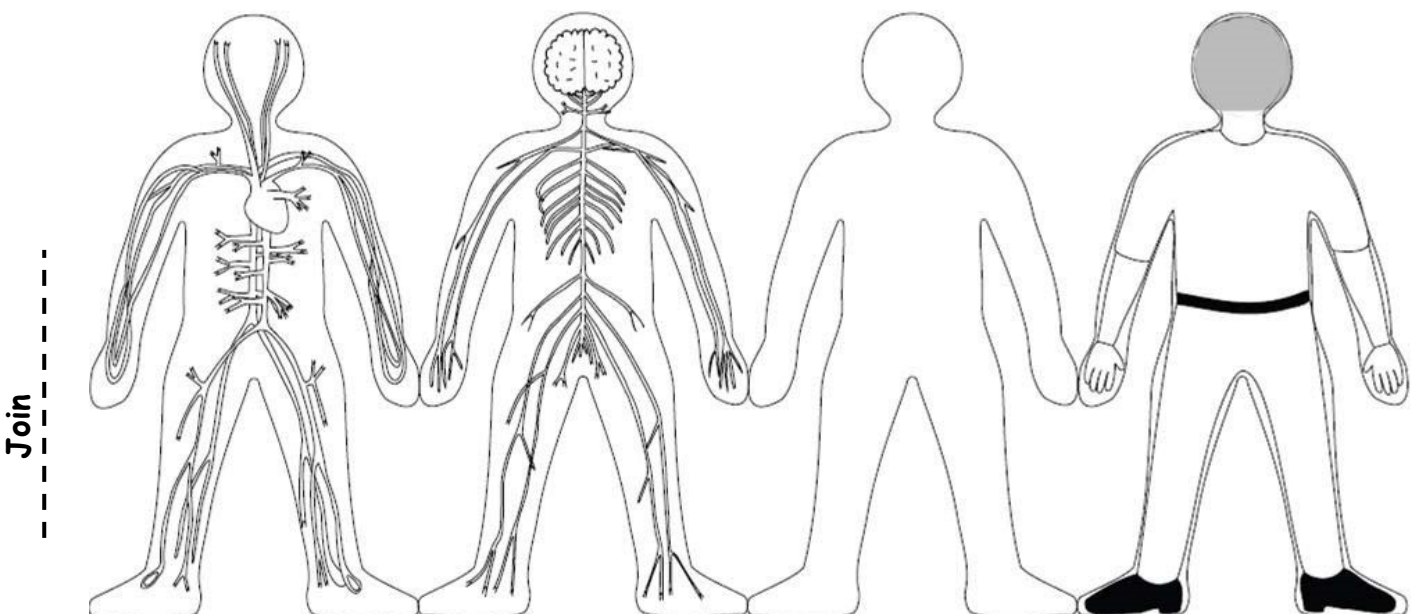


ME

Skeletal System

Digestive System

Respiratory System



Circulatory System

Nervous System

Muscular System

ME

Human Anatomy



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Name : _____

Date : _____

Review your knowledge!



1. What body system helps humans turn the food they eat into energy?

2. Name the parts of the body that transport food from the mouth to the stomach.

3. What body system controls other body systems?

4. What body system provides structure for the body?

5. What body system allows us to move?

6. What body system includes a transport system (blood) and a pump (the heart) that keeps the transport system moving?

7. Can you think of two body systems that work together?

