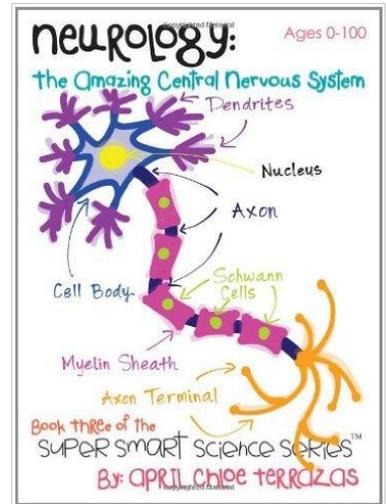


Nervous System Worksheets

Made by Liesl

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For this unit, we read a number of books that we borrowed from the library about the nervous system. We also purchased [Neurology: The Amazing Central Nervous System](#) (*affiliate link*) by April Chloe Terrazas. It really broke the parts of the nervous system that made it really easy for my kids to understand. The first page of this packet goes along with that book. That is why there is no answer page to accompany it.



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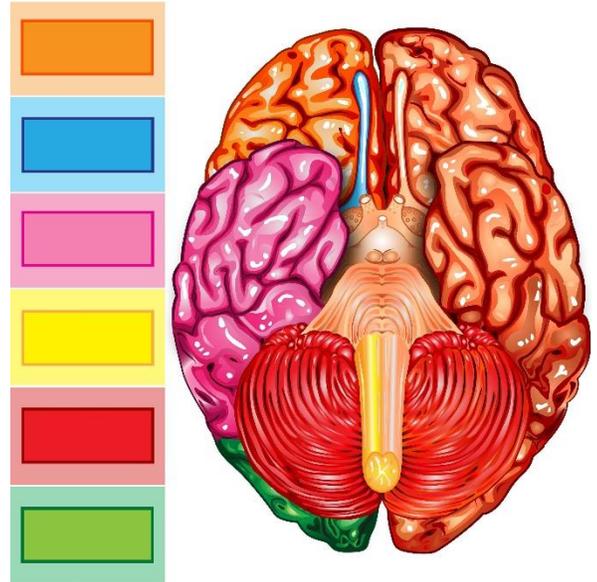
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Name: _____

Parts of the Brain



What does the Frontal Lobe do?

What does the Motor Cortex do?

What does the Somatosensory Cortex do?

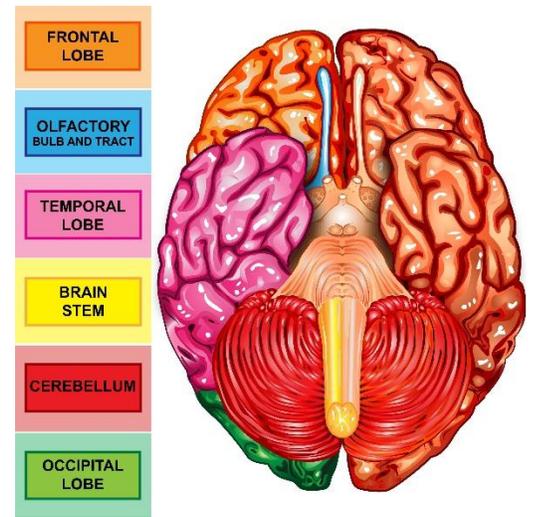
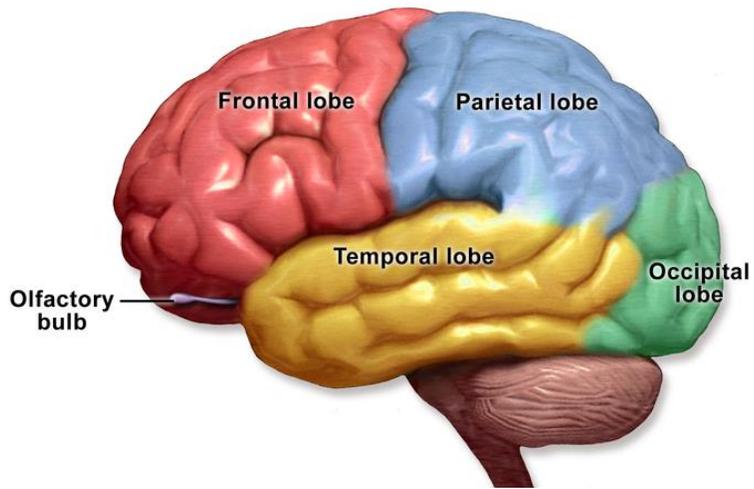
What does the Parietal Lobe do?

What does the Occipital Lobe do?

What does the Cerebellum do?

What does the Brain Stem do?

What does the Temporal Lobe do?



The Nervous System

The **Central Nervous System** includes the _____ and the _____.



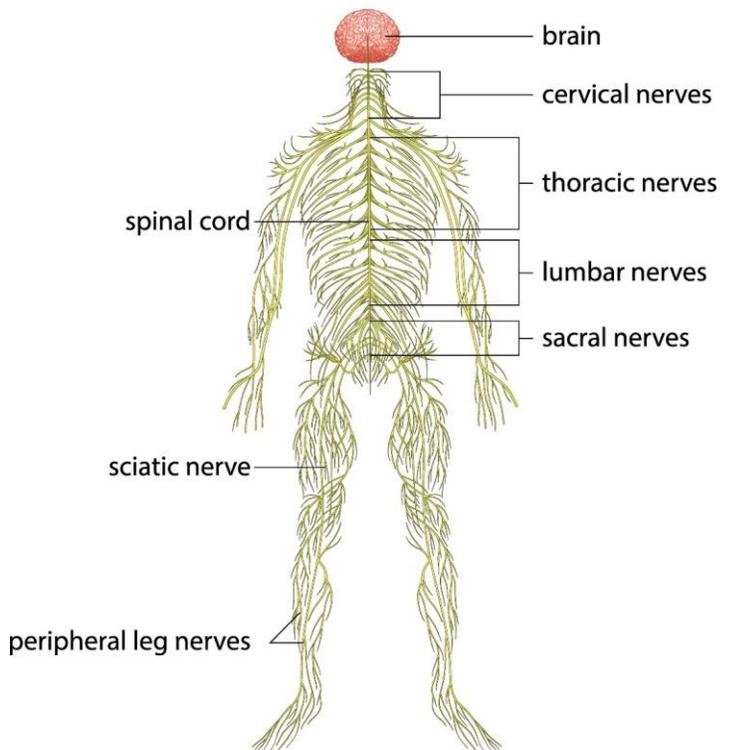
The **peripheral nervous system** consists of the nerves and ganglia that are outside of the brain and spinal cord. These nerves serve as a _____ relay between the brain and spinal cord with the rest of the body.

There are _____ pairs of spinal nerves. They exit the spinal cord through openings between the vertebrae. The part of the nerve that exits the spinal cord is called the nerve root. It then branches into smaller nerves that control different parts of the body called the peripheral nerves.

The peripheral nerves include both _____ nerves and _____ nerves:

- _____ nerves are nerves that receive sensory stimuli, such as how something feels and if it is painful. They are made up of nerve fibers, called sensory fibers. One type of fibers sense body movement and pressure placed against the body, and another type senses tissue injury.
- _____ nerves lead to the muscles and stimulate movement. They are made up of nerve fibers called motor fibers.

Human Nervous System



The Nervous System

The **Central Nervous System** includes the brain and the spinal cord.



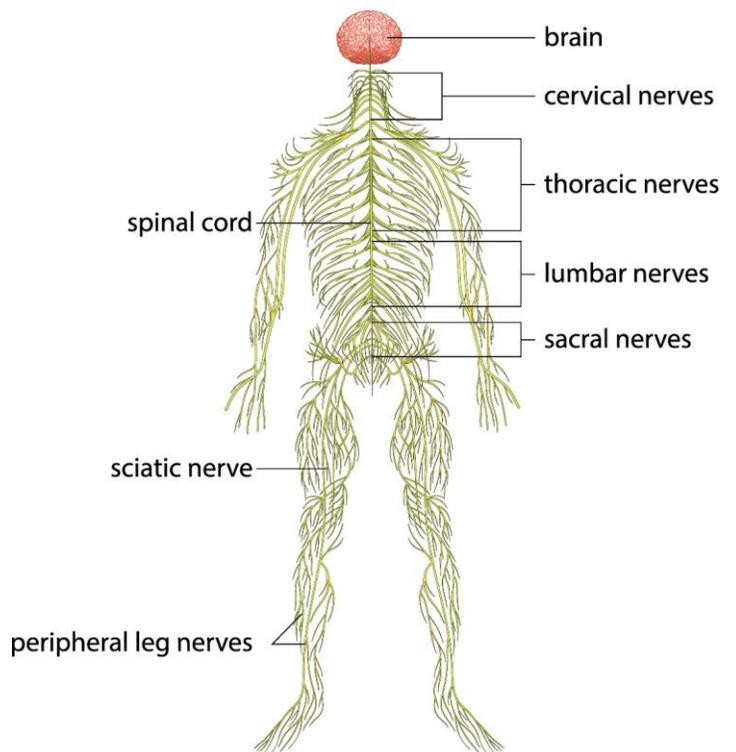
The **peripheral nervous system** consists of the nerves and ganglia that are outside of the brain and spinal cord. These nerves serve as a communication relay between the brain and spinal cord with the rest of the body.

There are 31 pairs of spinal nerves. They exit the spinal cord through openings between the vertebrae. The part of the nerve that exits the spinal cord is called the nerve root. It then branches into smaller nerves that control different parts of the body called the peripheral nerves.

The peripheral nerves include both motor nerves and sensory nerves:

- Sensory nerves are nerves that receive sensory stimuli, such as how something feels and if it is painful. They are made up of nerve fibers, called sensory fibers. One type of fibers sense body movement and pressure placed against the body, and another type senses tissue injury.
- Motor nerves lead to the muscles and stimulate movement. They are made up of nerve fibers called motor fibers.

Human Nervous System



Autonomic Nervous System

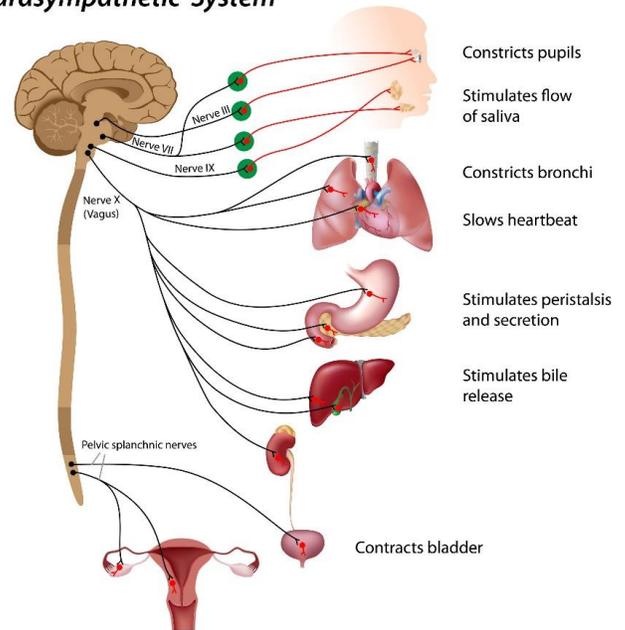
The Autonomic Nervous System is part of the nervous system that regulates involuntary body function such as heart rate, blood pressure and digestion.

Rest and Digest

The parasympathetic division of the autonomic nervous system is commonly referred to as the "rest and digest" portion.

It is responsible for energy conservation and regular body functions such as urination.

Parasympathetic System

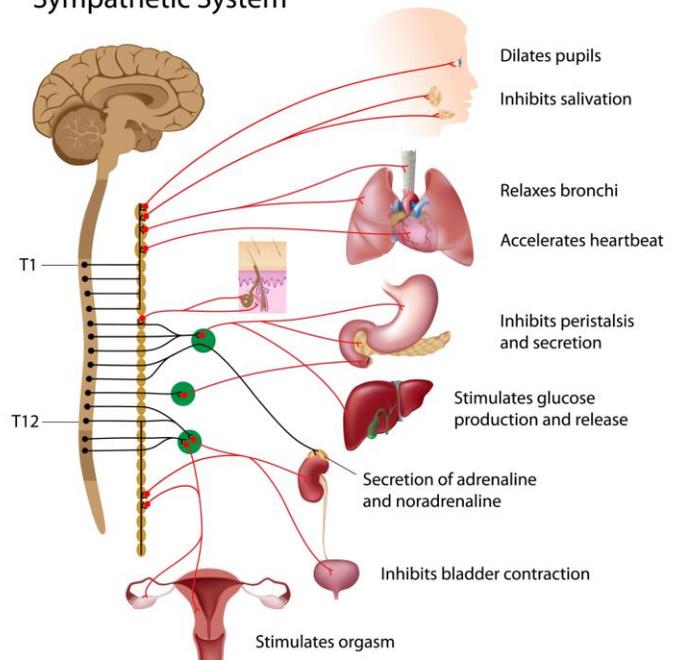


Fight or Flight

The sympathetic division of the autonomic nervous system is responsible for the "fight or flight" excitatory response.

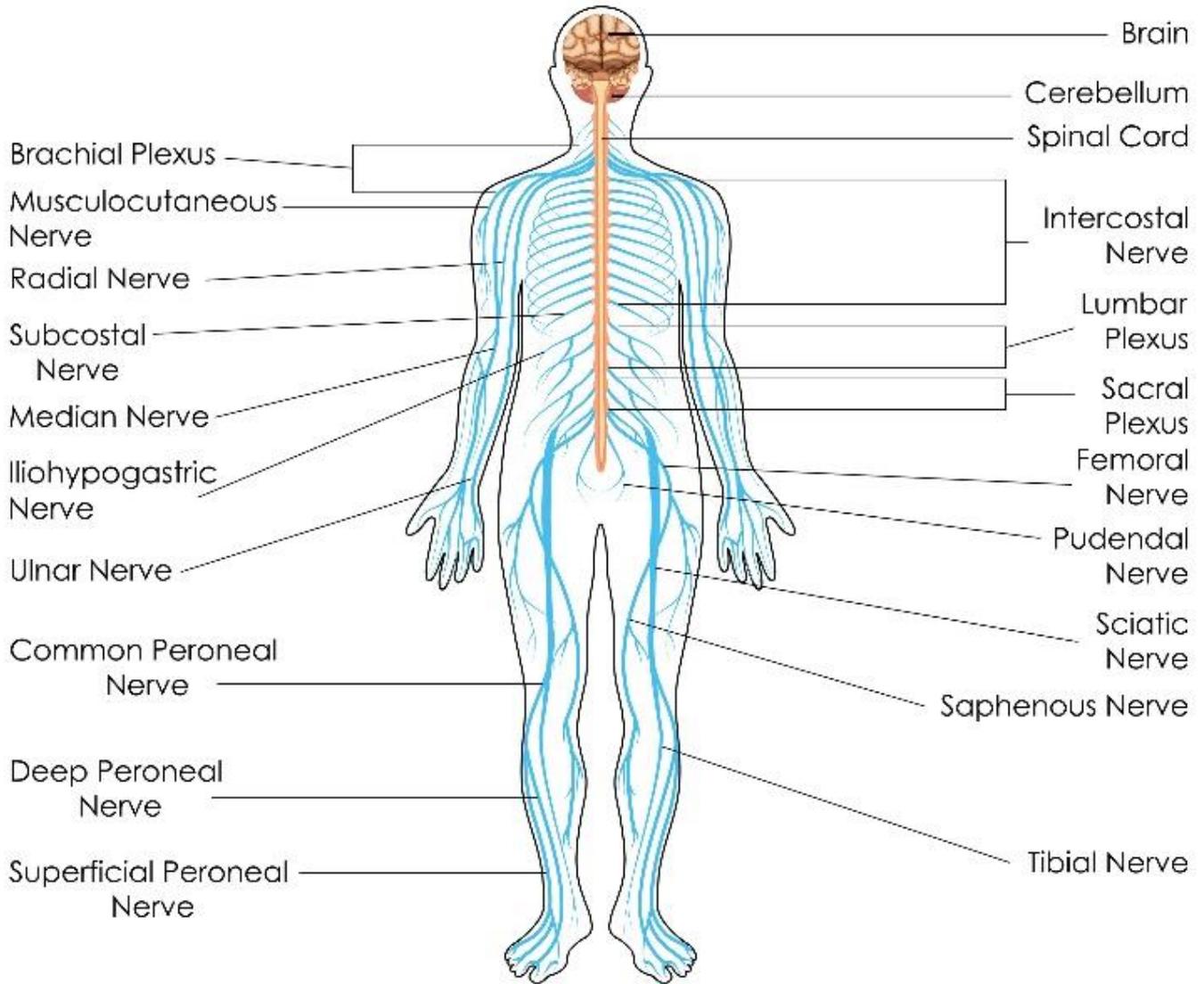
For example, in preparation for heightened activity, your body releases adrenaline which speeds up your heart rate.

Sympathetic System



Name: _____

The Nervous System



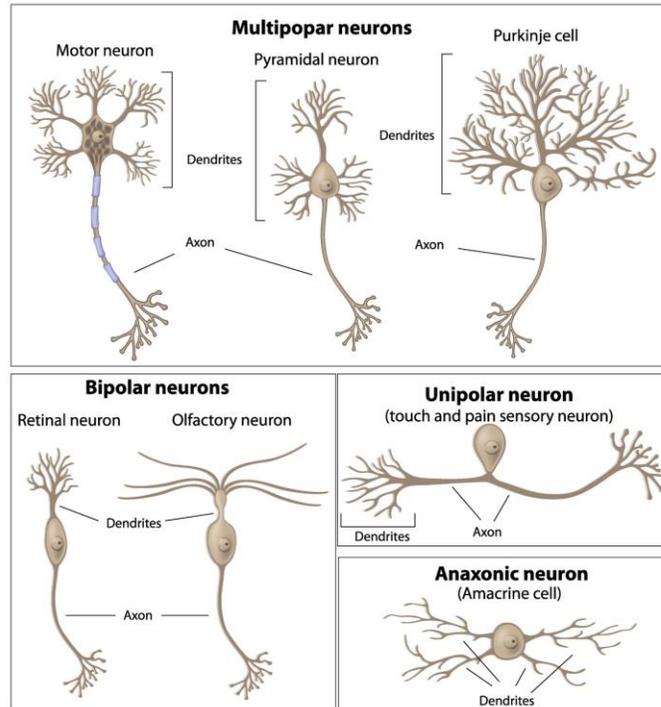
NERVOUS SYSTEM

Name: _____

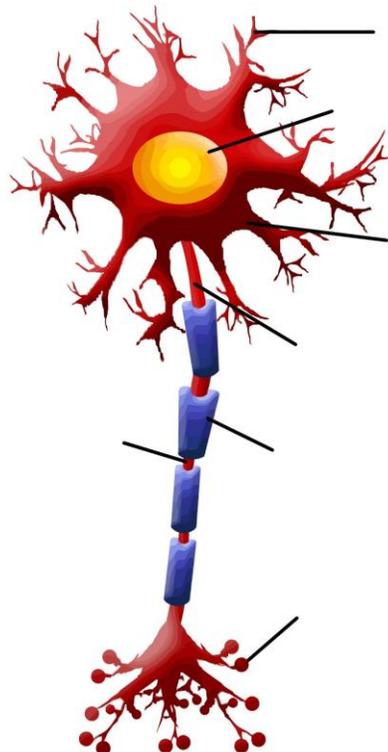
Neurons

A nerve cells is called a neuron. This type of cell transmits information through _____ and _____ signals.

Types of Neurons



Identify the parts of the neuron below:

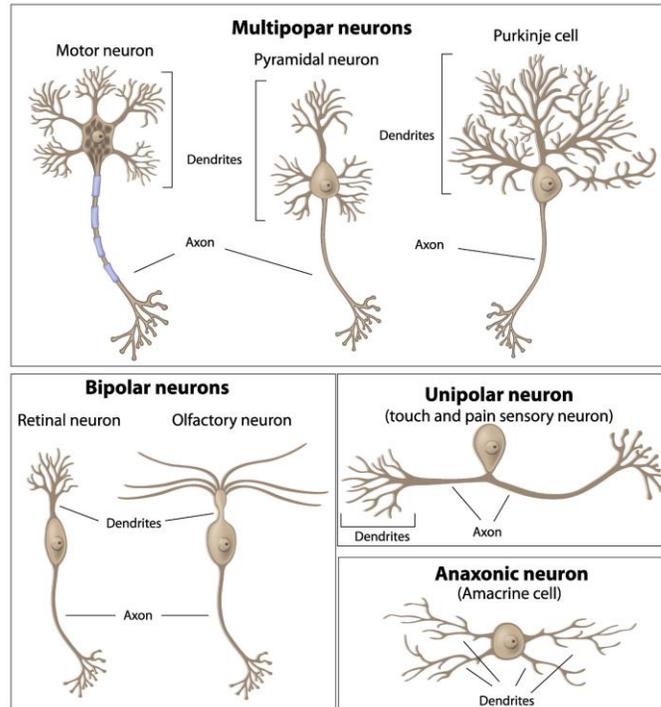


Name: _____

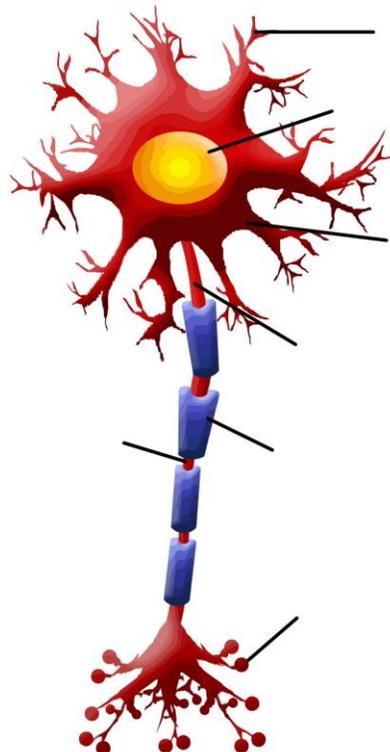
Neurons

A nerve cell is called a neuron. This type of cell transmits information through electrical and chemical signals.

Types of Neurons



Identify the parts of the neuron below:

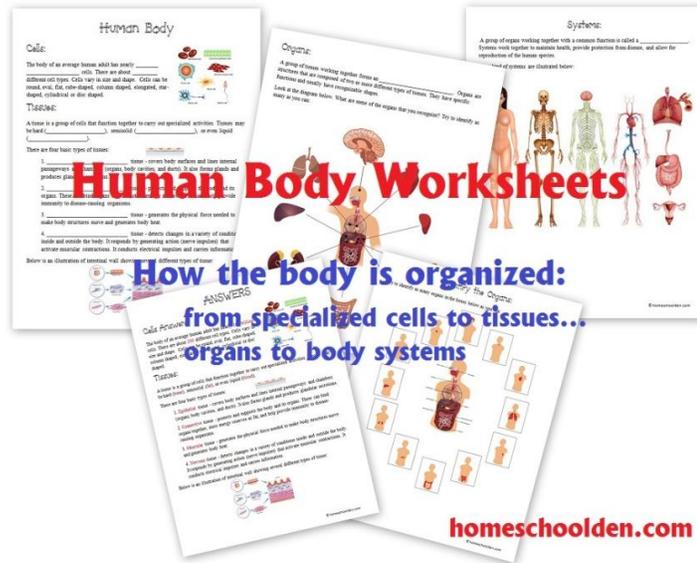


Human Body Systems

Each time we studied a new Human Body System, we would usually start with an overview of the body systems.

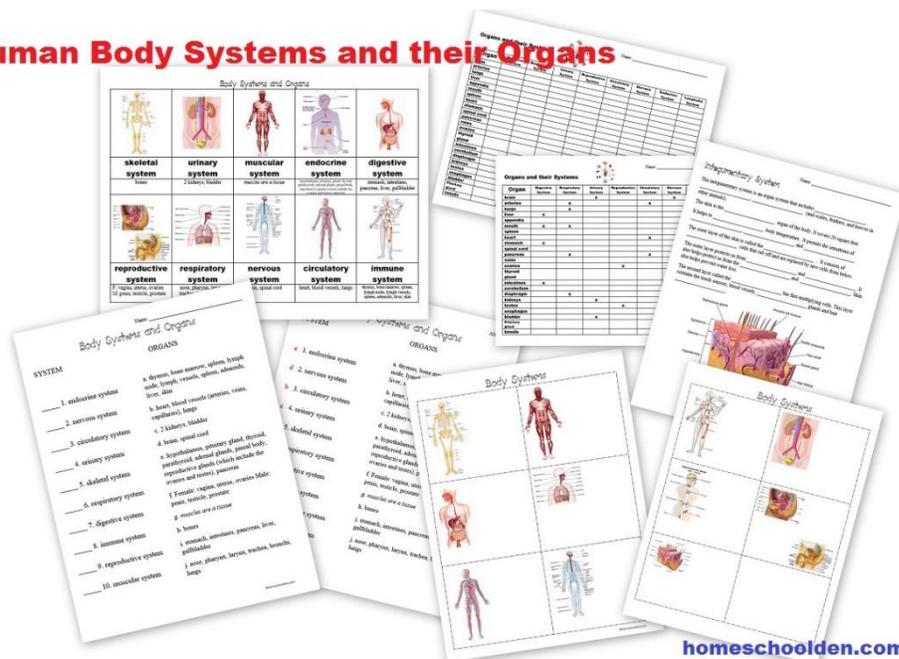
Human Body Systems: From Cells, Tissues, Organs, to Systems

As the kids got older we went into more depth about each system. This packet discusses how the body is organized from cells to tissue... organs to systems. We went into more detail about the organs in each of the different body systems.



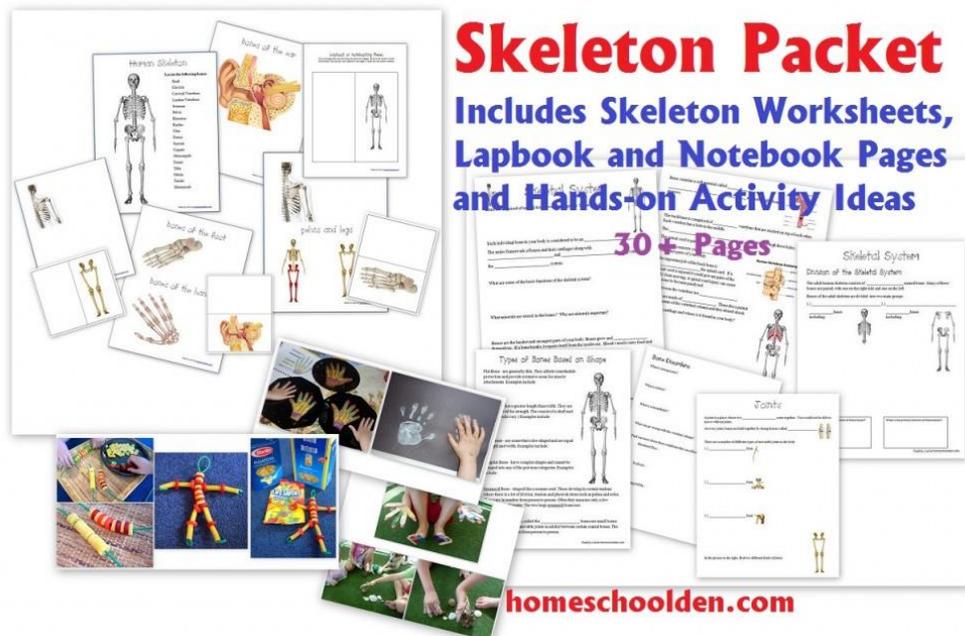
This packet includes the reproductive system as well. This part of the packet also includes the integumentary (skin). The kids took notes on which major organs were associated with each body system. Other days they did sheet a body system to organ matching page, the organs check sheet, and the page about the skin.

Human Body Systems and their Organs



[Skeletal System Lapbook and Notebook Pages](#)

(30 pages) Which includes a half-dozen hands on activity ideas, lapbook pages, worksheets and notebook pages.

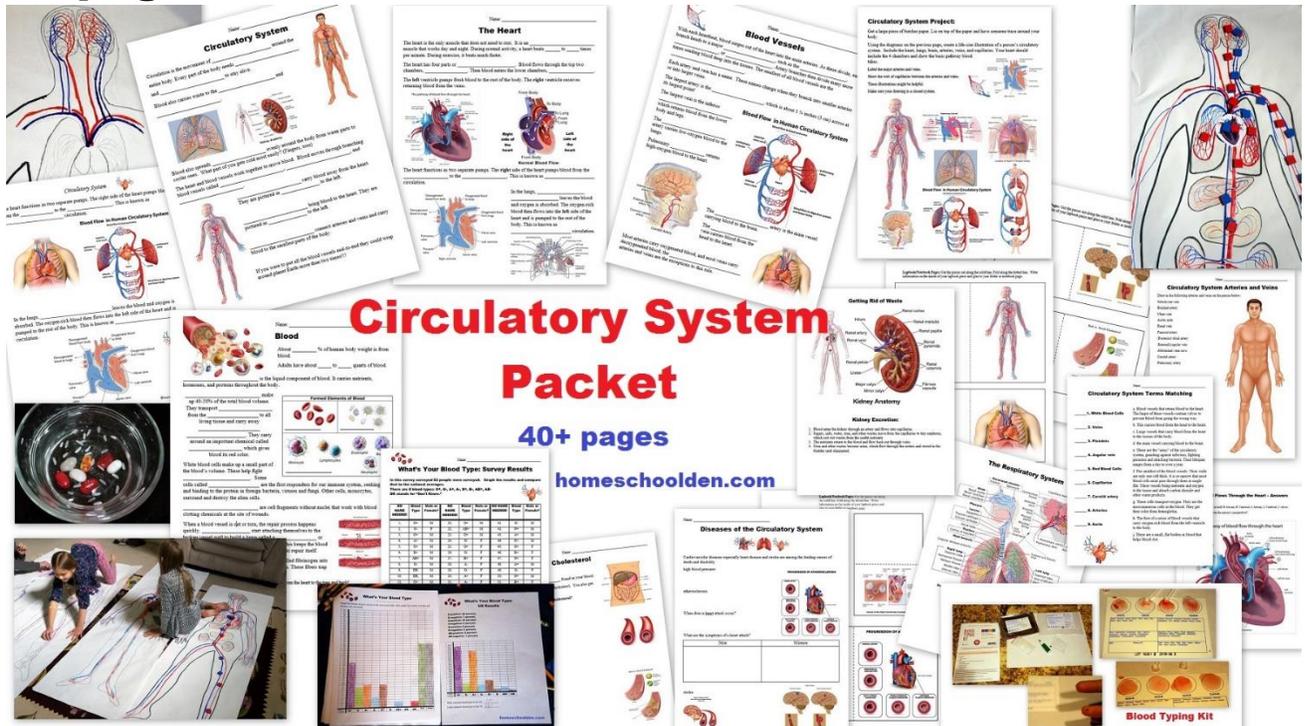


[Digestive System Pack \(40 pages\)](#) Which includes lapbook pieces, activity ideas and more!



Circulatory System Packet (and hands-on activities)

40 pages

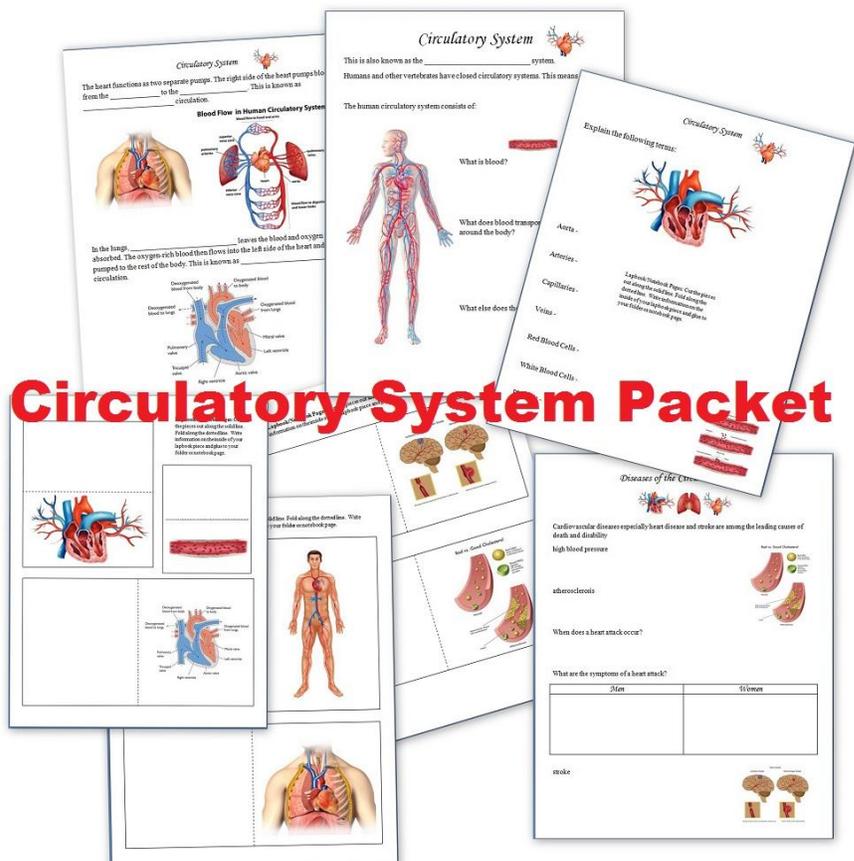


Circulatory System Packet

40+ pages

homeschoolden.com

Some of the topics we covered in this packet included the heart, blood vessels, blood flow through the heart, blood transport through the body, blood composition (red and white blood cells, platelets), blood types, cholesterol, and diseases of the circulatory system



A Study of Cells Packet

Cell Unit
35 Page Packet

- * Organelles
- * Eukaryotic vs. Prokaryotic Cells
- * Plant vs. Animal Cells
- * How Proteins are Made
- * Cells of the Body

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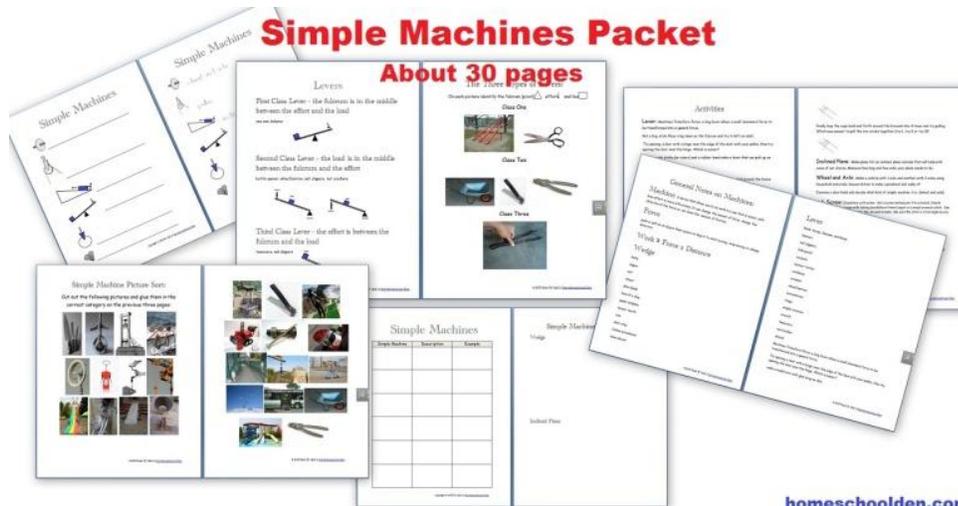
Earth Science Packet: Plate Movement, Earthquakes Volcanoes and more!

Earth Science Packet

50+ Pages of Worksheets, Hands-On Activity Ideas, and More

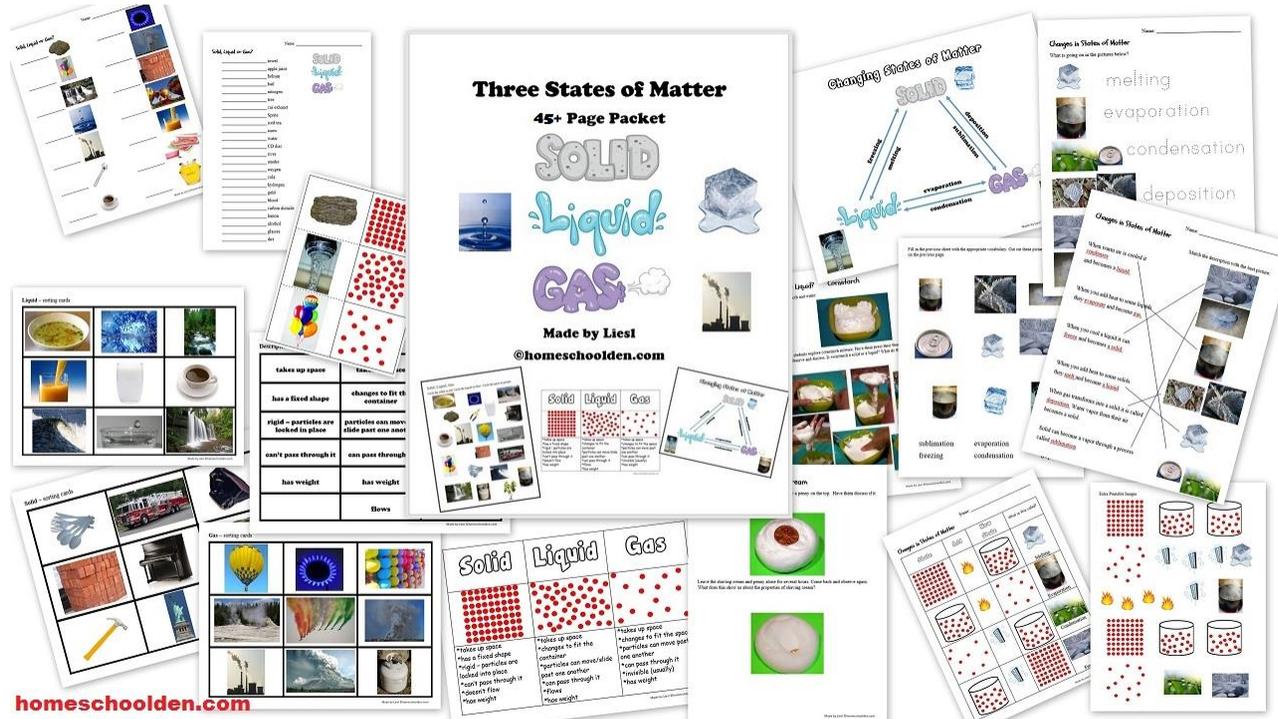
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Simple Machines Packet



homeschoolden.com

States of Matter; Changes of Matter Packet



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The Three Types of Rocks Worksheets



Rocks and Mineral Packet (Free)



homeschoolden.com

Hands-On Activities about the 3 Types of Rocks



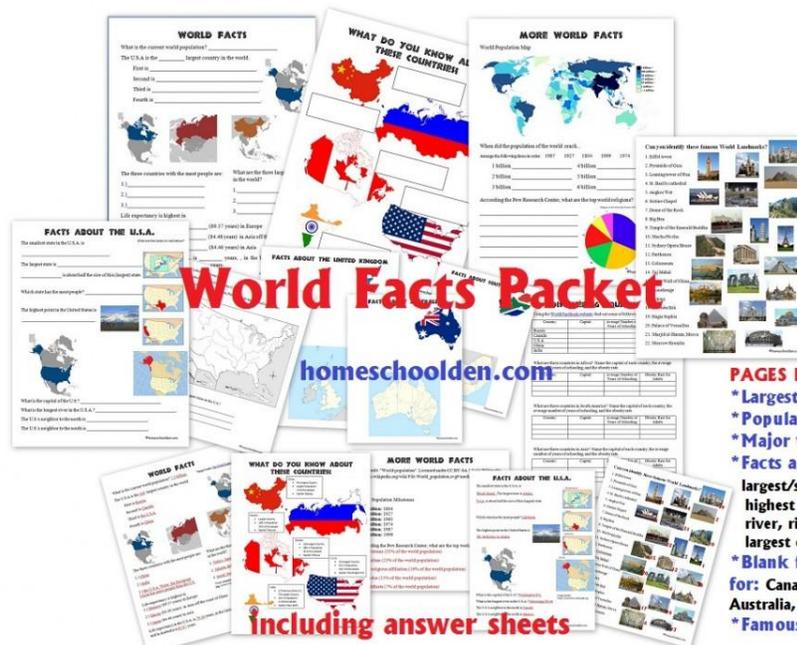
Be sure to check out our packets: at homeschoolden.com

Civics and Government Packet:



World Facts Packet:

- *Largest countries
- *Population facts
- *Major world religions
- *Facts about the World: longest river, largest desert, wettest and driest places on Earth, tallest mountain, deepest spot in the ocean, etc.
- *Facts about the US: largest/smallest state, capital, highest mountain, longest river, rivers & lakes sheet, largest cities, neighbors
- *Blank fact sheet pages for: Canada, United Kingdom, Australia, South Africa
- *Famous world landmarks

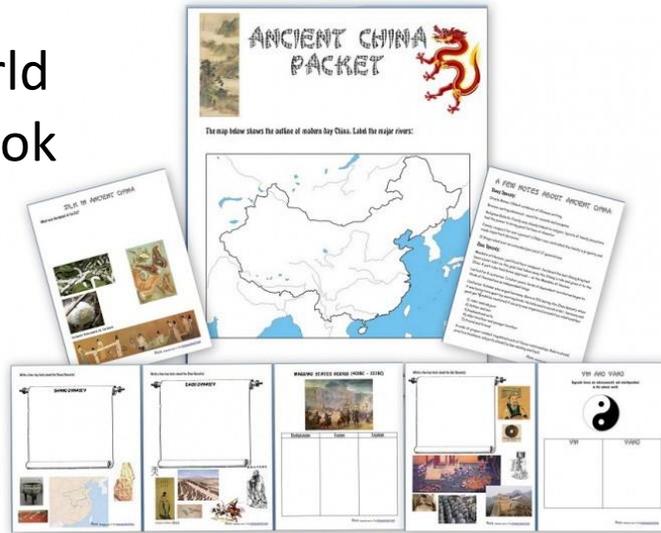


PAGES INCLUDE:

- *Largest countries
- *Population facts
- *Major world religions
- *Facts about the US:
largest/smallest state, capital,
highest mountain, longest
river, rivers & lakes sheet,
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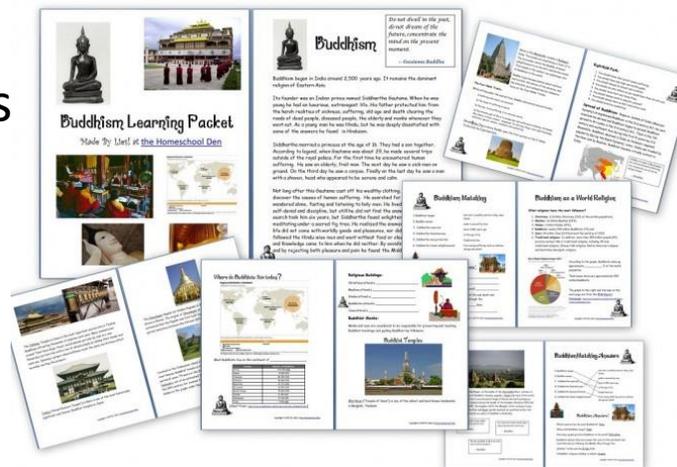
Be sure to check out our packets
at homeschoolden.com

History and World
Cultures Notebook
Pages

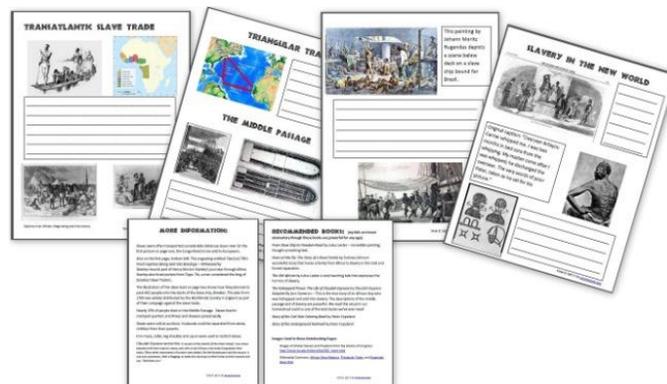


Made by Liesl at the Homeschool Den

World Religions



Slave Trade



Plus we have packets on the Civil Rights Movement, Africa, India, Genghis Khan, Marco Polo and much more!!

