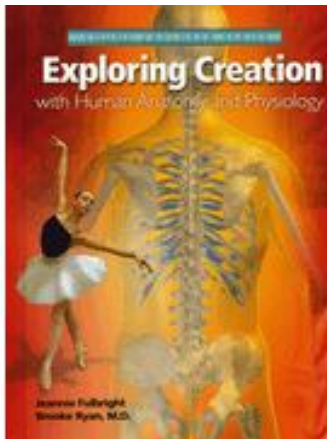


“Exploring Creation With Zoology : Human Anatomy & Physiology” Lapbook Package (Lessons 1-14)

PLEASE NOTE: This lapbook package covers Lessons 1 through 14. We also sell a separate lapbook for lessons 1-7 and lessons 8-14, if you would prefer to only do part of the book.



This lapbook has been specifically designed for use with the book, “Exploring Creation with Human Anatomy & Physiology” by Jeannie Fulbright, Dr. Brooke Ryan, and Apologia Science.

Templates are printed with colors that best improve information retention according to scientific research.

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Cyndi Kinney
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Lessons 1-14 Lapbook Package
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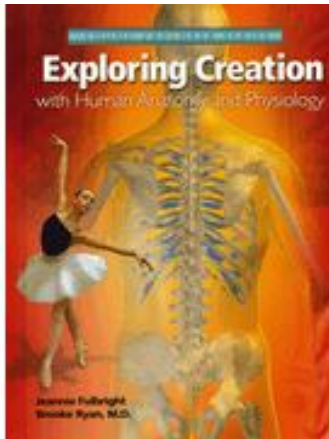
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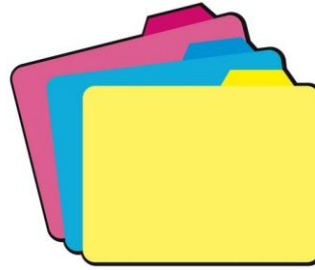
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*** Assembly:

***Folders:** We use colored file folders, which can be found at Walmart, Sam's, Office Depot, Costco, etc. You will need between 1 and 4 file folders, depending on which product you have purchased. You may use manila folders if you prefer, but we have found that children respond better with the brightly colored folders. Don't worry about the tabs...they aren't important. Within this product, you will be given easy, step-by-step instructions for how to fold and assemble these folders. *If you prefer, you can purchase the assembled lapbook bases from our website.*

***Glue:** For the folder assembly, we use hot glue. For booklet assembly, we use glue sticks and sometimes hot glue, depending on the specific booklet. We have found that bottle glue stays wet for too long, so it's not a great choice for lapbooking. For gluing the folders together, we suggest using hot glue, but **ONLY** with adult supervision. These things get **SUPER** hot, and can cause **SEVERE** burns within seconds.



***Other Supplies:** Of course, you will need scissors. Many booklets require additional supplies. Some of these include metal brad fasteners, paper clips, ribbon, yarn, staples, hole puncher, etc.



You may want to add decorations of your own, including stickers, buttons, coloring pages, cut-out clipart, etc. Sometimes, we even use scrapbooking supplies. The most important thing is to use your imagination! Make it your own!!



Continue ON.....



Ok. I've gathered the supplies. Now how do I use this product?

Inside, you will find several sections. They are as follows:

1. **Layout and Pictures:** This section gives instructions and diagrams that will tell the student exactly how to assemble the lapbook base and where to glue each booklet into the base. Depending on the student's age, he or she may need assistance with this process, especially if you choose to allow the student to use hot glue.

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5. **Booklet Templates:** This section includes ALL of the templates for the booklets. These have been printed on colors that will help to improve retention of the information presented, according to scientific research on color psychology.

Colors & Shapes – Why Do They Matter?

After MUCH research and studies, science has shown that colors and shapes have psychological values. These influence the emotions and memories of each one of us. In our products, we have used specific colors and shapes in ways that will improve information retention and allow for a much more mentally interactive time of study. Some pages may have a notation at the bottom, where a specific color is suggested for your printing paper. This color suggestion is designed to improve information retention. However, if you do not have that specific color of paper, just print on whatever color you have. For the most benefit, follow the color suggestions, and watch your child's memory and enthusiasm truly soar!

Be creative!

Make it your own!

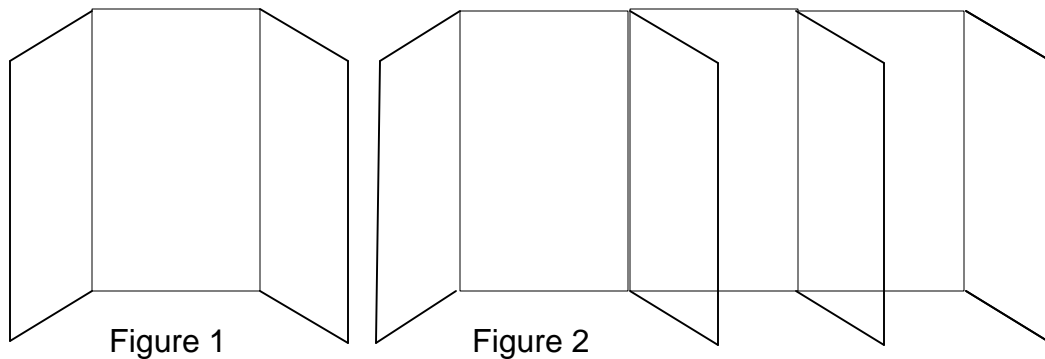
If you would like to send pictures of your completed lapbook, please do!

We would love to display your lapbooks on our website and/or in our newsletter.

**Just send your pictures, first initial & last name, and age to us at:
cyndi@knowledgeboxcentral.com**

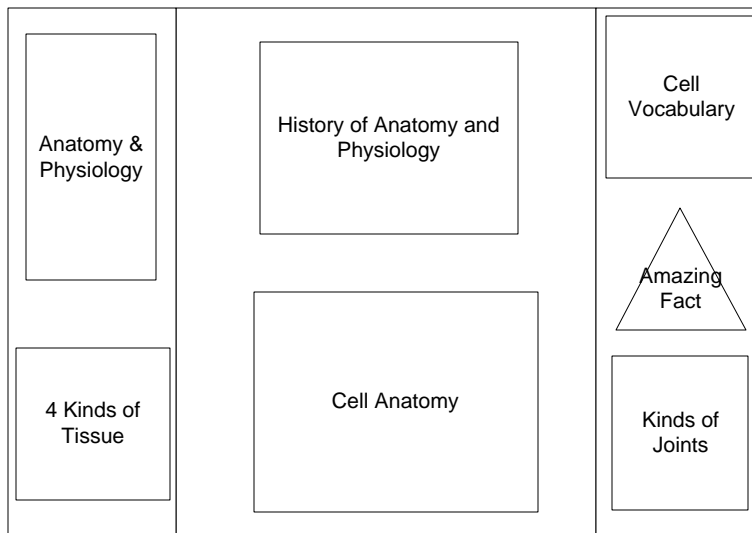
Exploring Creation With Human Anatomy & Physiology Lapbook ~ Lessons 1 - 7 Base Assembly & Layout Guide

You will need 3 folders of any color. Take each one and fold both sides toward the original middle fold and make firm creases on these folds (Figure 1). Then glue (and staple if needed) the backs of the small flaps together (Figure 2).



This is the "Layout" for your lapbook. The shapes are not exact on the layout, but you will get the idea of where each booklet should go inside your lapbook.

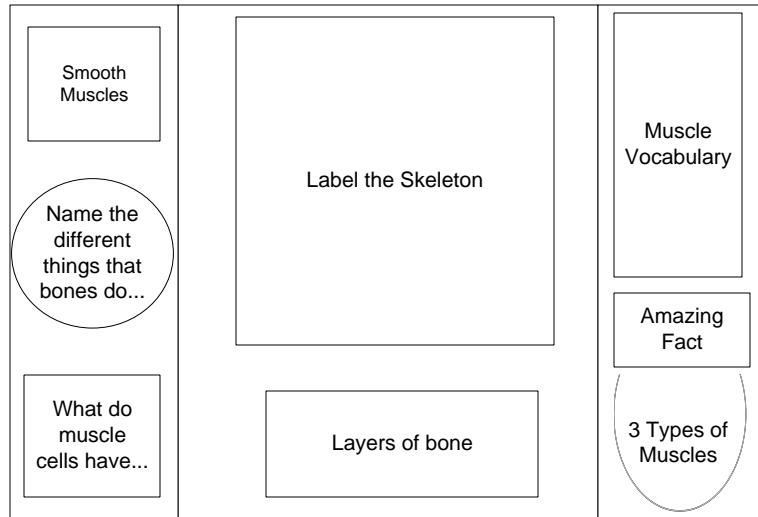
Inside of 1st Folder:



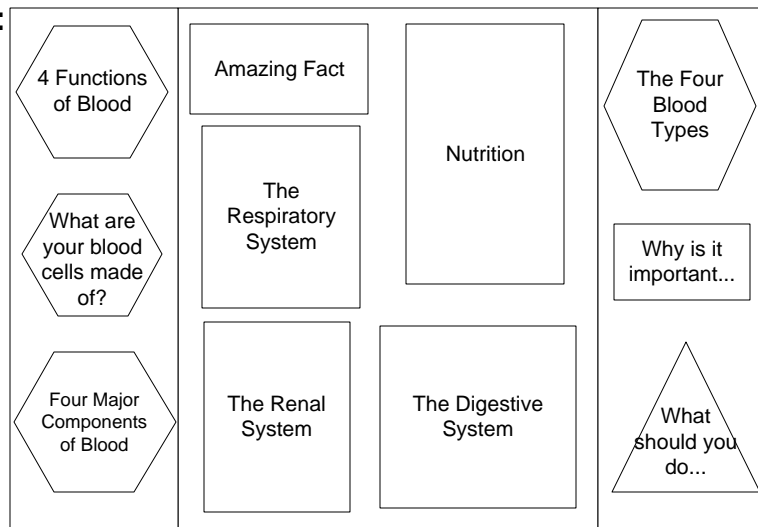
Continue ON.....



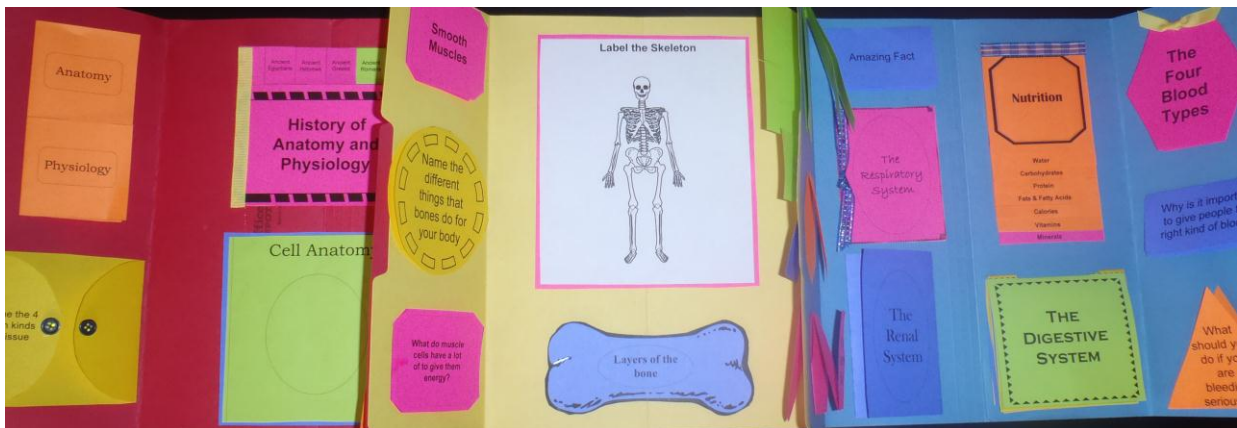
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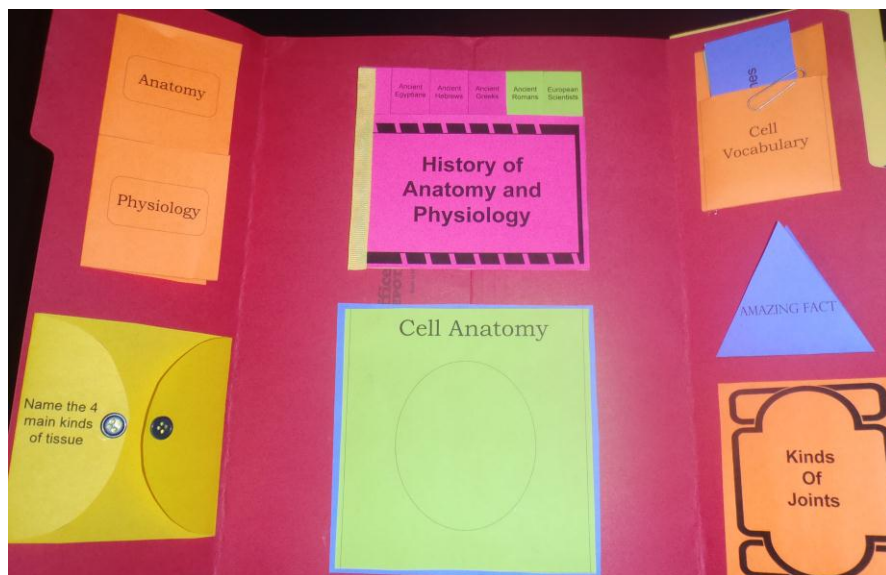
Inside of 3rd Folder:



Below are pictures of a completed lapbook!!! This should help in figuring out how to assemble the booklets and then how to put it all together!

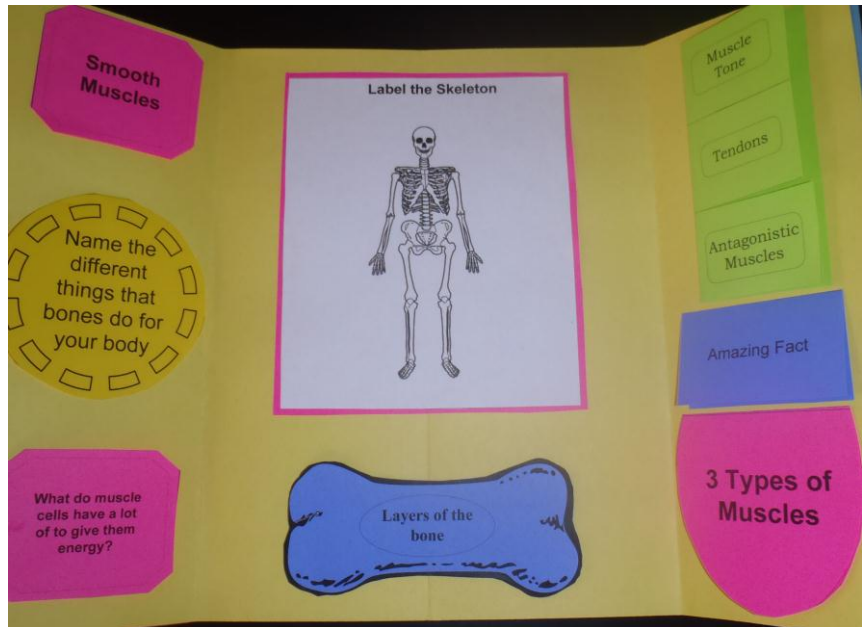


Completed Lapbook

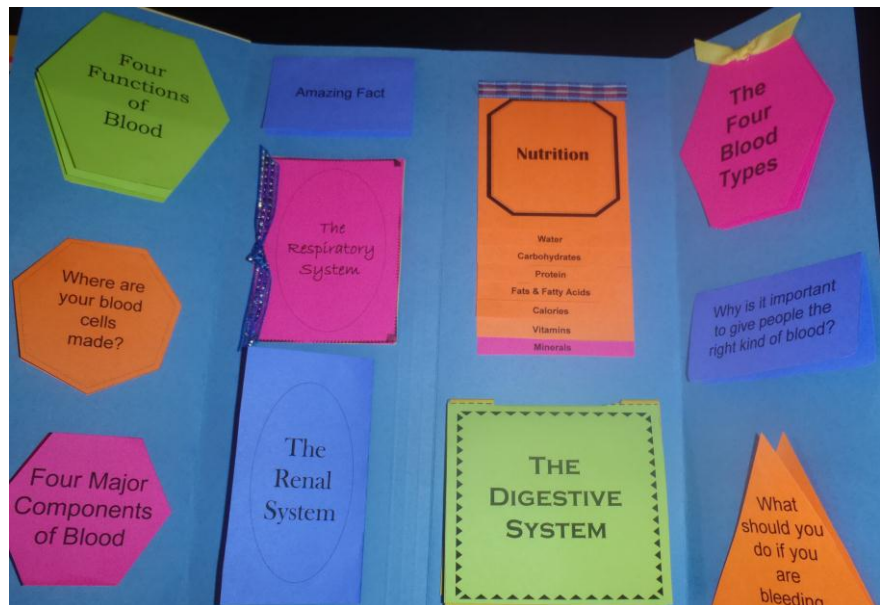


1st Folder

2nd Folder



3rd Folder



Exploring Creation With Human Anatomy & Physiology ~ Lessons 1-7 Lapbook Student Instruction Guide

Lesson 1

1. Anatomy and Physiology

Assembly Instructions: Cut out along the outer black line edges. Fold along the center line, so that the words are on the front. Now cut along the short line to create “flaps” under which you will write your definitions. Booklet will be glued into folder #1 (See Layout).

Completion Instructions: Do you know what the words “anatomy” and “physiology” mean? Write there definitions in this booklet.

2. History of Anatomy and Physiology

Assembly Instructions: Cut out each page of this booklet along the outer black line edges. Then, stack them so that they are in an order Punch 2 holes in the left side of the stack, and secure with a ribbon or yarn. You may choose to just secure with staples. Booklet will be glued into folder #1 (See Layout).

Completion Instructions: Many people in history have studied the human body. On each page of this booklet, tell how different people studied and what they believed.

3. Cell Anatomy

Assembly Instructions: Cut out along the outer black line edges of this one-page booklet. Glue it to another piece of paper of a different color. Cut around the edges to create a small border. Booklet will be glued into folder #1 (See Layout).

Completion Instructions: Inside the oval (cell), draw and label all of the parts of the cell that you have studied.

*Exploring Creation With
Human Anatomy & Physiology
Lessons 1 – 7 Lapbook
Teacher's Guide*

Here, you'll find information to supplement your study. Jeannie Fulbright's book is so wonderfully filled with knowledge and wisdom. All of the information needed to complete all of the booklets can be found on the pages of her book. Below, I will tell you which pages hold specific "answers."

Lesson 1:

- Define Anatomy & Physiology: Answers found on page 19
- History of Anatomy & Physiology: Answers found on pages 20-26
- Cell Anatomy: Answers found on pages 26-30
- Cell Vocabulary: Answers found on pages 26-32
- Name the 4 Main Kinds of Tissue: Answers found on page 32

Lesson 2:

- Name the Different Things That Bones Do For Your Body: Answers found on pages 38-40
- Layers of the Bone: Answers found on pages 41-42
- Label the Skeleton: Answers found on pages 45-50
- Kinds of Joints: Answers found on pages 51-52

Lesson 3:

- 3 Types of Muscles: Answers found on pages 56-60
- What Do Muscles Have a Lot of To Give Them Energy?: Answer found on page 61
- Smooth Muscles: Answer found on page 66
- Vocabulary: Answers found on pages 58-59

Lesson 4:

- Digestive System: Answers found on pages 69-80
- Renal System: Answers found on pages 80-81

Lesson 5:

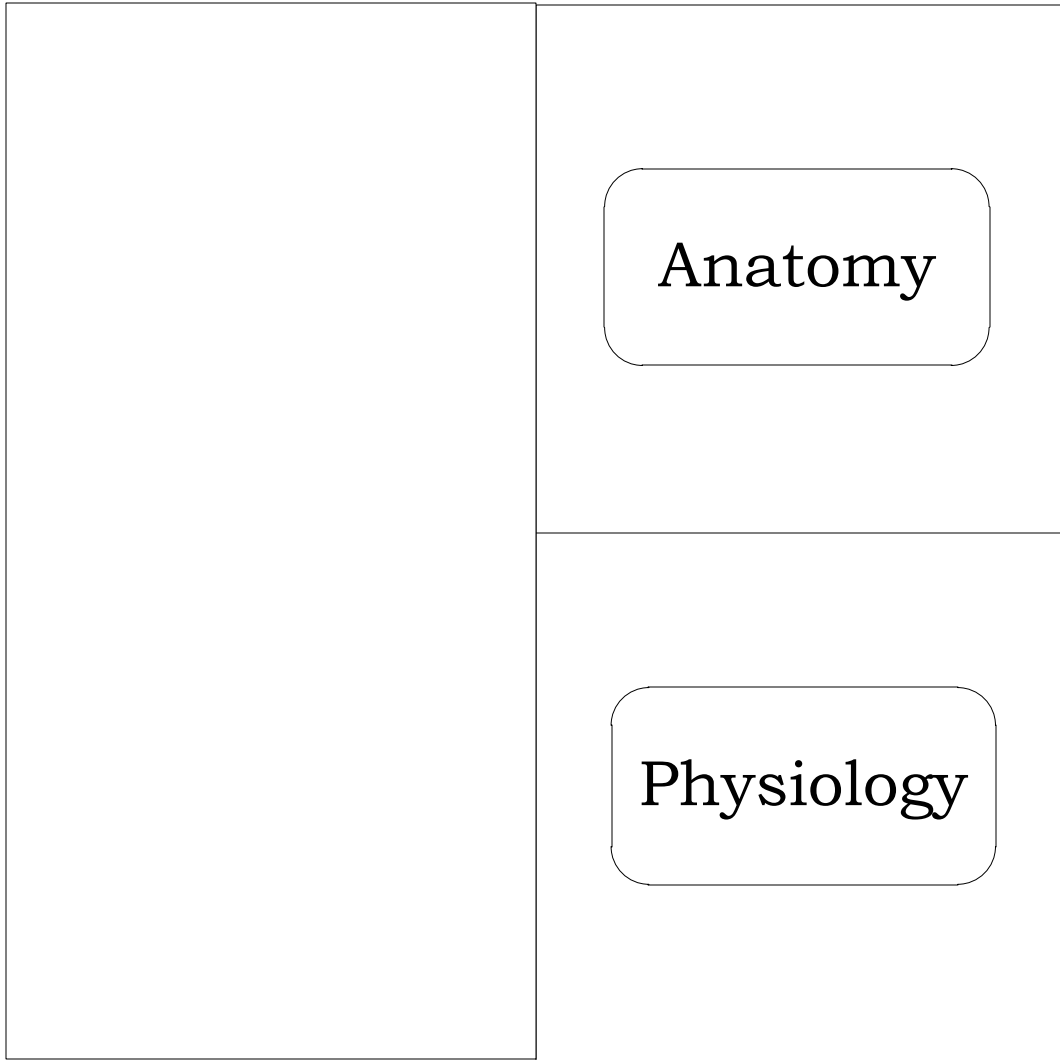
- Nutrition: Answers found throughout the lesson

Lesson 6:

- Respiratory System: Answers found throughout the lesson

Lesson 7:

- 4 Functions of Blood: Answers found on pages 122-124
- 4 Basic Components of Blood: Answers found on pages 124-128
- What Should You Do....: Answer found on page 128
- Where Are Your Blood Cells Made: Answer found on page 129
- Why is it Important To Give People the Right Kind of Blood: Answers found on pages 129-131
- What Are the 4 Blood Types: Answers found on pages 129-131



History of Anatomy and Physiology

Ancient
Egyptians

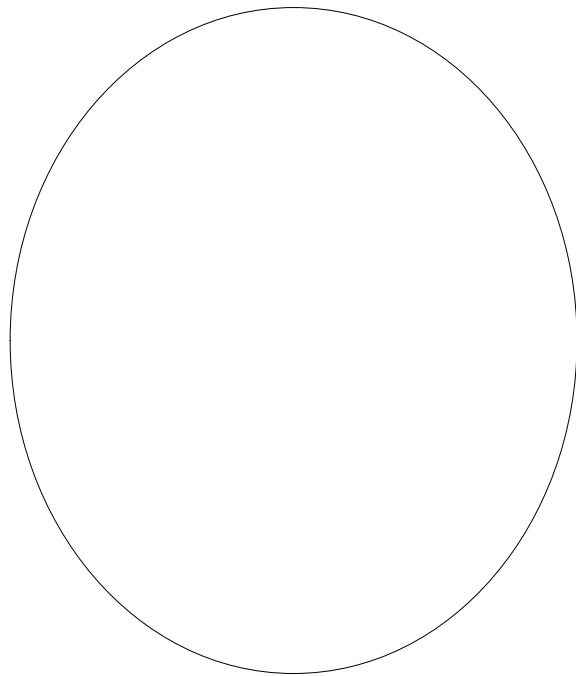
		Ancient Hebrews
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			Ancient Greeks
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				Ancient Romans

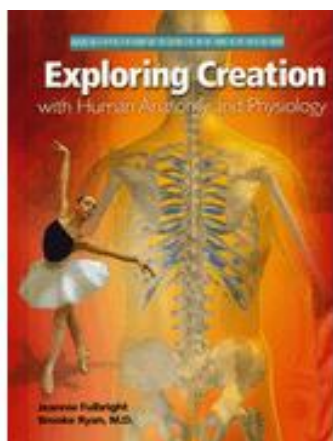
					European Scientists

Cell Anatomy



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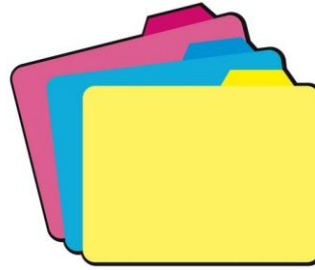
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Make it your own!

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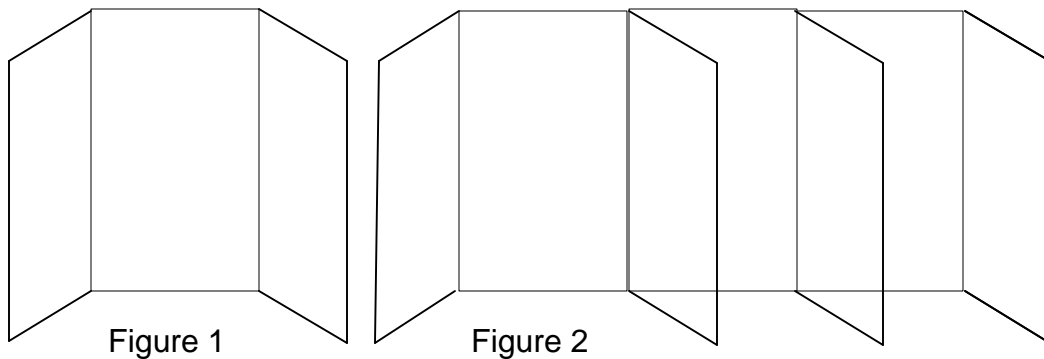
cyndi@knowledgeboxcentral.com

Exploring Creation With Human Anatomy & Physiology

Lapbook ~ Lessons 8-14

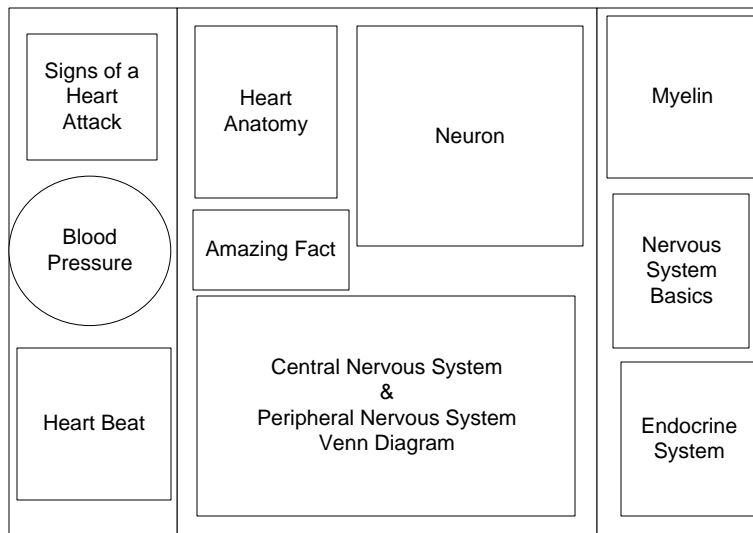
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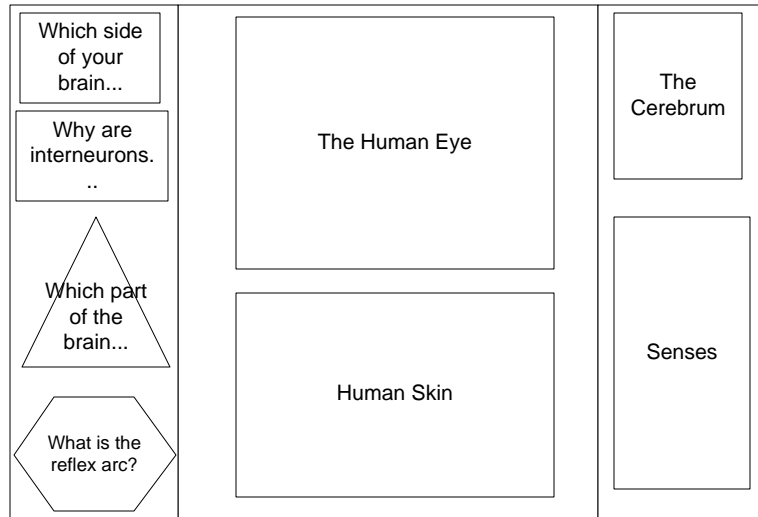
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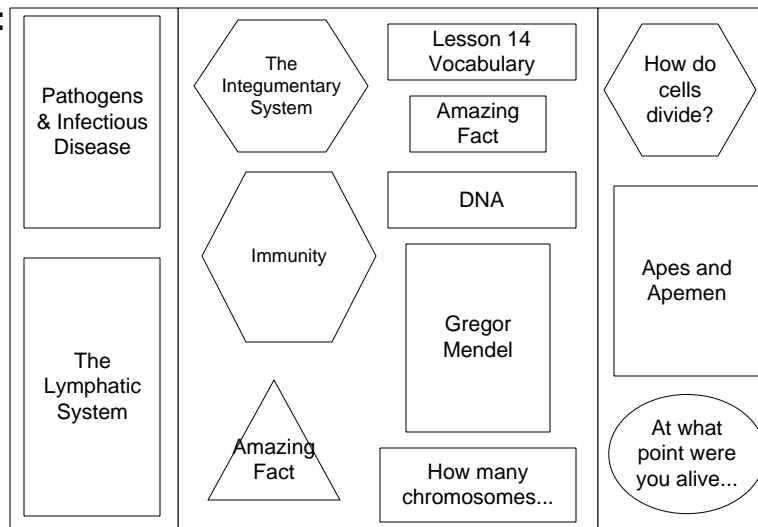
Continue ON.....



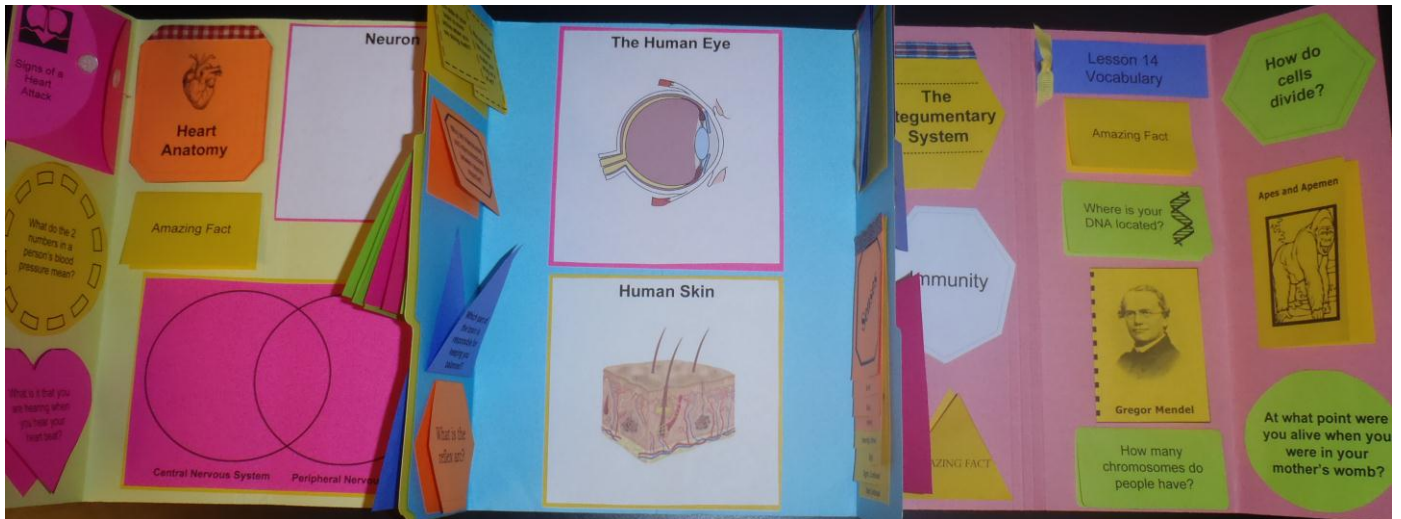
Inside of 2nd Folder:



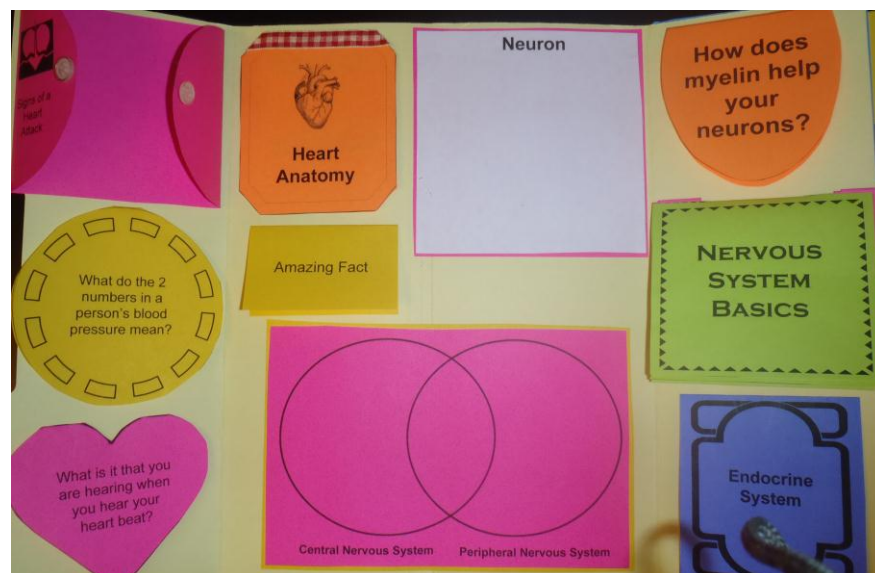
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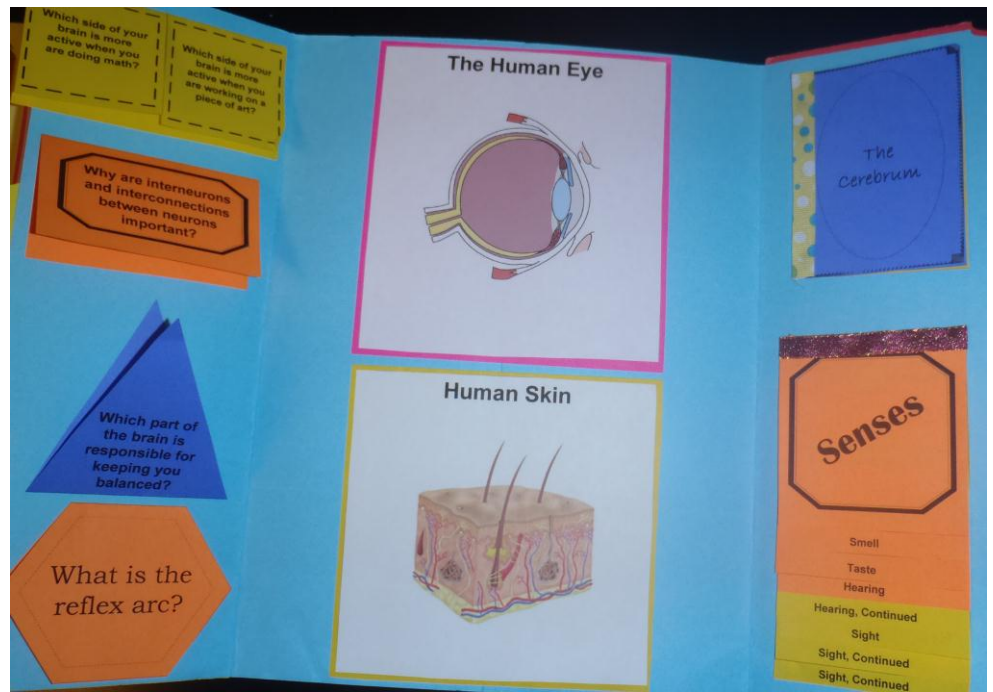


Completed Lapbook

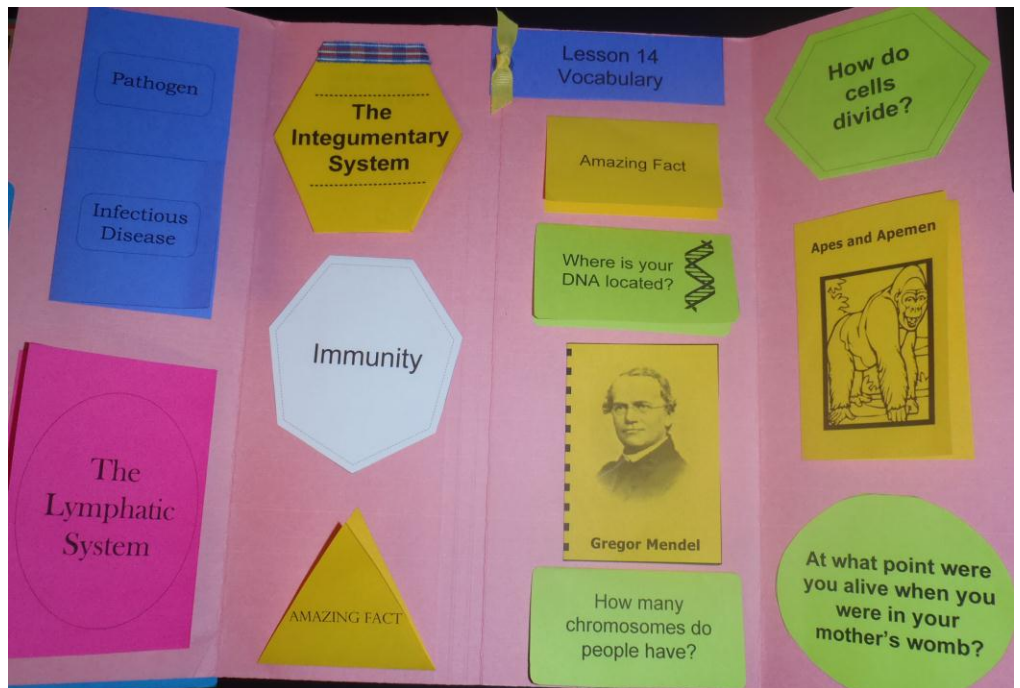


1st Folder

2nd Folder



3rd Folder



Exploring Creation With Human Anatomy & Physiology ~ Lessons 8-14 Lapbook Student Instruction Guide

Lesson 8

1. Heart Anatomy

Assembly Instructions: Cut out along the outer black line edges of the booklet and all additional pages. Fold the booklet along the center line so that the title is on the front. Stack the other pages so that they are in order. Place the stack of pages inside the booklet, and staple at the top. Booklet will be glued into folder #1 (See Layout).

Completion Instructions: How well do you remember the names of the different parts of the heart? What about the veins and arteries? Answer the questions inside this booklet.

2. Signs of a Heart Attack

Assembly Instructions: Cut out each page of this booklet along the outer black line edges of the booklet. Fold along each line so that the rounded edges almost touch and the title is on the front. Booklet will be glued into folder #1 (See Layout).

Completion Instructions: Do you know anyone who has had a heart attack? Do you know the symptoms? Write them inside this booklet.

3. Heart Beat

Assembly Instructions: Cut out along the outer black line edges of the booklet. Fold along the center line between the hearts. Booklet will be glued into folder #1 (See Layout).

Completion Instructions: Have you ever heard your own heart beat? Tell exactly what you are hearing here.

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Lesson 8:

- Heart Anatomy: Answers found on pages 134-141
- Signs of a Heart Attack: Answers found on page 138
- Heart Beat: Answer found on page 142
- Blood Pressure: Answer found on pages 143-144

Lesson 9:

- Nervous System Basics: Answers found on pages 149-157
- Neuron: Answers found on page 152
- Central & Peripheral Nervous Systems: Answers found on pages 150-152
- Endocrine System: Answers found on pages 158-159

Lesson 10:

- The Cerebrum: Answers found on pages 162-163
- Which Side of Your Brain... : Answers found on pages 162-164
- Myelin: Answer found on page 165
- Keeping You Balanced: Answer found on pages 166-167
- Reflex Arc: Answer found on page 169
- Interneurons & Interconnections: Answer are found on page 169

Lesson 11:

- Senses: Answers found on pages 175-191
- Human Eye : Answers found on pages 186-187

Lesson 12:

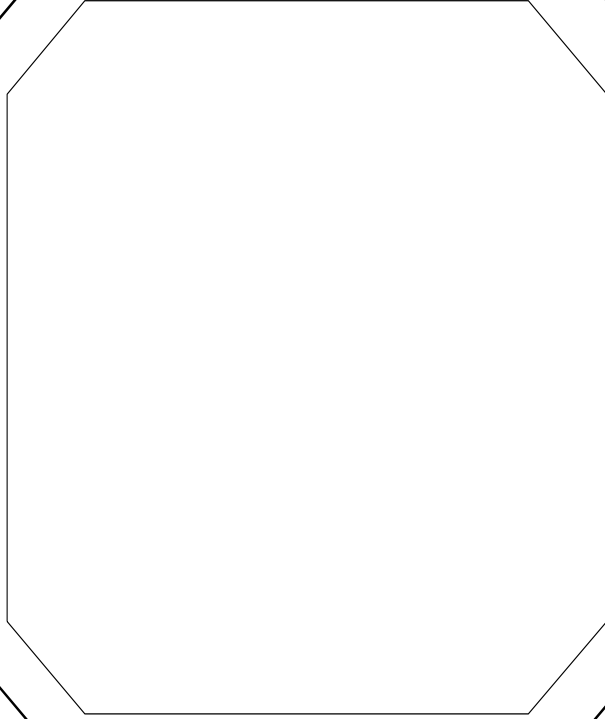
- Integumentary System: Answers found on pages 195-209
- Human Skin: Answers found on pages 196, 201, 203, 207

Lesson 13:

- Pathogens & Infectious Disease: Answers found on pages 216-218
- Lymphatic System: Answers found on pages 219-221
- Immunity: Answers found on pages 221-225

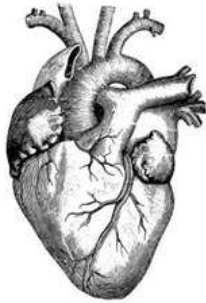
Lesson 14:

- Cells Divide: Answer found on pages 232-233
- At What Point Were You Alive: Answer found on page 233-234
- Chromosomes: Answer found on page 237
- DNA: Answers found on pages 236-237
- Gregor Mendel: Answer found on pages 240-242
- Apes & Apemen: Answers found on pages 243-244



What do we call the top 2 chambers of the heart?

What do we call the bottom 2 chambers of the heart?



Heart Anatomy

What are the veins leading from the lungs into the heart called?

What are the arteries leading from the heart to the lungs called?

What is the main artery that takes blood out of the heart to the body?

What are the names of the 2 veins that bring deoxygenated blood from the tissues of the body back to the heart?

