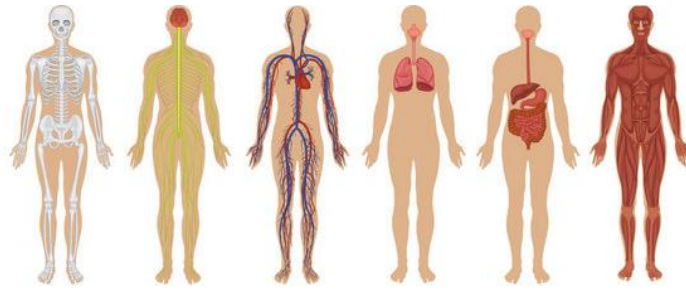


Team Members: _____ Date: _____

Science _____



Human Body Quest

Team's system: _____

Your team's job is to prepare a presentation to educate your classmates about one of the human body systems we have not covered this year. Your presentation must include the following requirements:

Part 1: Introduction

Tell the name of your organ system and describe the major functions.

Part 2: Diagram

Provide a diagram of your body system with the major parts or organs labeled with their name and functions.

Part 3: Teamwork

Explain how your body system works with 2 others in the body.

Part 4: Fun Facts

Find 4 facts about your body system or its parts.

Each team will also be provided with a Body System Checklist of important terms or items that must be included in the presentation. Teams may use their science or health textbooks, reference materials, or online resources to research their organ system.

Teams will be allowed three periods, as well as 2 night's homework, to create a Google Slide presentation and fill-in-the-blank worksheet with a diagram of your system. The presentation must be made using Google Slides program and shared with your partner and me. The presentation must consist of at least 5- 6 slides and no more than 8 slides including the title slide. Worksheets will be collected on _____.

Modified from <http://sciencespot.net/> Helpful links can be found on science spot.net. Click on Kid Zone; then, click on "Health and Human Body".

Project CHECKLIST

Information

Introduction

- Did you provide the name of your organ system?
- Did you give descriptions of the major functions of your system?

Diagram

- Did you provide a diagram of your body system with the major parts or organs labeled?
- Did you give descriptions of the functions of each organ?

Teamwork

- Did you share examples and give descriptions of interactions with other body systems?

Fun Facts

- Did you provide 4 facts (or more) about your body system or its parts?

Other Information

- Did you include all the information listed on your Body System Checklist?

Worksheet

- Did the worksheet include a diagram and the functions of each part of the body system?

Presentation

- Did you have at least 5-6 slides (counting the title slide) and no more than 8?
- Did the slides enhance the presentation? Don't put too much fancy designs or words on the slides. Keep it simple! You must talk during the presentation, so use that time to share the details.
- Was the information presented in an organized manner?
- Did you "know" the information? You should know the information well enough that you do not need to read it word-for-word off note cards or the slides.
- Did you present to the class? Don't talk to the screen!
- Did you practice? Run through your presentation a few times before showing.

Group Involvement **Everyone will have a chance to "grade" their teammates!**

- Did everyone share responsibilities for preparing the presentation?
- Did everyone participate in giving the presentation?
- Did you work together and resolve problems peacefully?

Body System Checklist - Nervous System

√ Describe major functions of the central and peripheral nervous systems.

√ Diagram that includes the major parts - brain, spinal cord, nerves, and neurons - and list the function(s) of each.

√ Briefly describe the path a nerve impulse travels throughout your body from stimulus to response.

√ Explain how your body system works with 2 other systems in the body.

√ Find 4 facts about your system: list the facts as sentences or create trivia questions.

Body System Checklist - Skeletal System

√ Major functions of skeletal system

√ Diagram that includes the major parts -bones, ligaments, and tendon - and list the function(s) of each. NOTE: Your diagram should also include **8** bones using their common and scientific names.

√ Describe 3 different types of joints and where they are located: hinge, pivot, and ball-and-socket.

√ Explain how your body system works with 2 other systems in the body.

√ Find 4 facts about body system: list the facts as sentences or create trivia questions.

Body System Checklist - Muscular System

√ Major functions of muscular system

√ Describe the function and locations of each type of muscle - skeletal muscle, smooth muscle, and cardiac muscle.

√ Diagram that includes 8 major muscles in the body and their function.

√ Describe how muscles work in pairs to make parts of the body move using the biceps and triceps as an example.

√ Explain how your body system works with 2 other systems in the body.

√ Find 4 facts about your system: list the facts as sentences or create trivia questions.

Body System Checklist - Excretory System

√ Major functions of excretory system

√ Diagram that includes the major parts - lungs, kidneys, urinary bladder, ureter, urethra, liver, and skin - and list the function(s) of each.

√ Explain how your body system works with 2 other systems in the body.

√ Find 4 facts about your system: list the facts as sentences or create trivia questions.

Body System Checklist - Endocrine System

√ Major functions of endocrine system

√ Describe what hormones are and what they do

√ Diagram that includes the major parts - pituitary, thymus, thyroid, parathyroid, adrenals, pancreas, ovaries, and testes - and list the function(s) of each.

√ Explain how your body system works with 2 other systems in the body.

√ Find 4 facts about your system: list the facts as sentences or create trivia questions.

Body System Checklist - Immune System

√ Major functions of immune system

√ List the functions of each part of the immune system - thymus, white blood cells, antibodies, epidermis, cilia, mucus, and saliva.

√ Describe each "line of defense".

√ Explain how vaccinations work and give three examples of diseases that are prevented through the use of vaccinations.

√ Explain how your body system works with 2 other systems in the body.

√ Find 4 facts about your system: list the facts as sentences or create trivia questions.

Body System Checklist - Reproductive System

√ Major functions of reproductive system

√ Describe what hormones are and what they do. (estrogen and/or testosterone)

√ Diagram that includes the major parts and list the function(s) of each.

XX: ovaries, fallopian tubes, uterus, cervix, vagina

XY: testes, epididymis, vas deferens, penis, urethra

√ Explain how your body system works with 2 other systems in the body.

√ Find 4 facts about your system: list the facts as sentences or create trivia questions