

Name _____

Organ Trail WebQuest Worksheet

Tissues

Describe the four types of tissues.

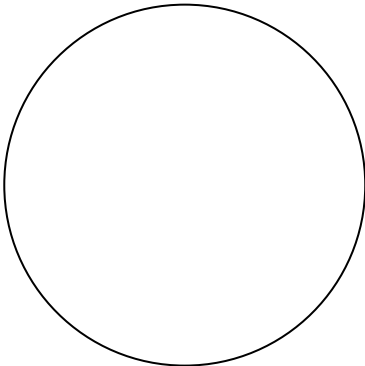
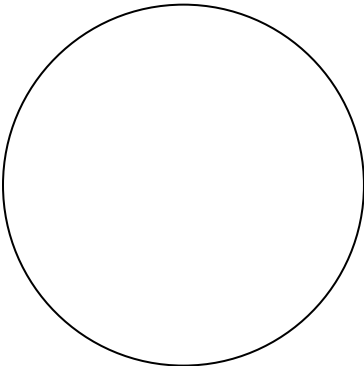
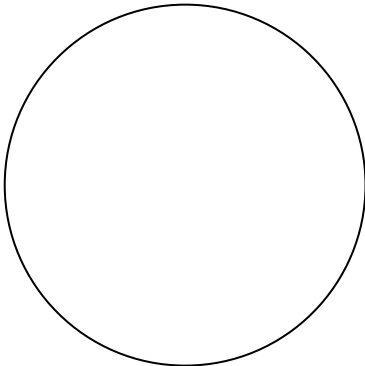
Epithelium

Function

Characteristics

Classification

Draw and label tissue examples in the circles below.



Connective

Function

The Three Elements

- 1.
- 2.
- 3.

Two Kinds

- 1.
- 2.

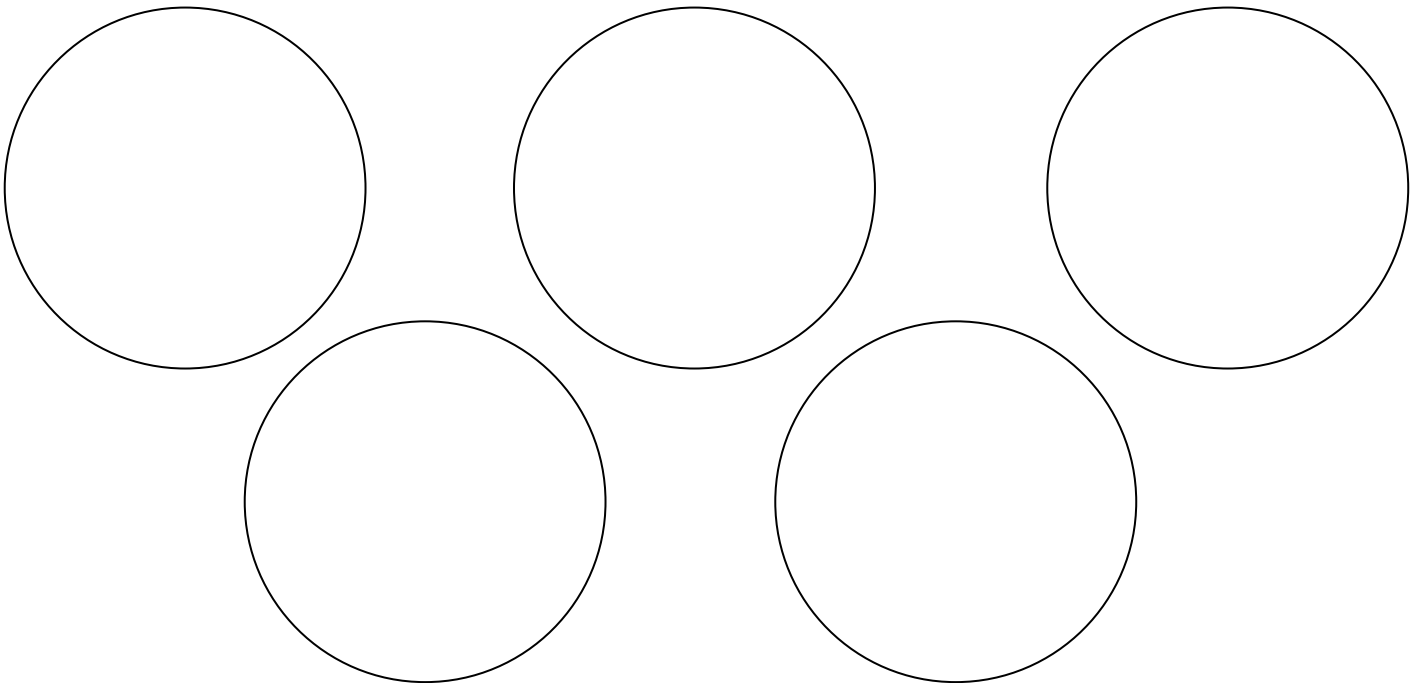
Special Connective Tissue (include function)

- 1.

2.

3.

Draw examples in the circles below.



Nerve

Function

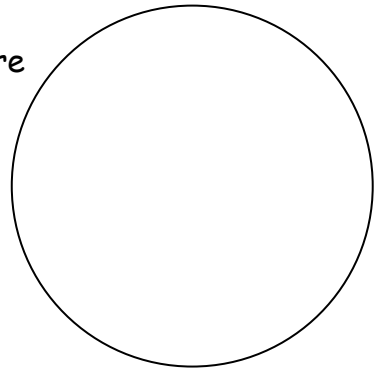
Three Elements

1.

2.

3.

Draw Picture



Muscle

Function

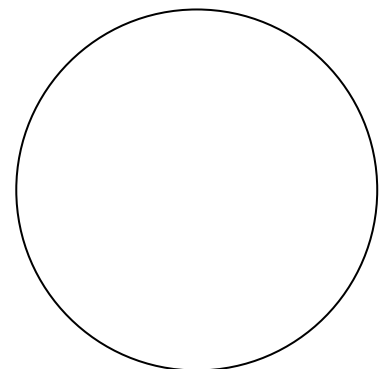
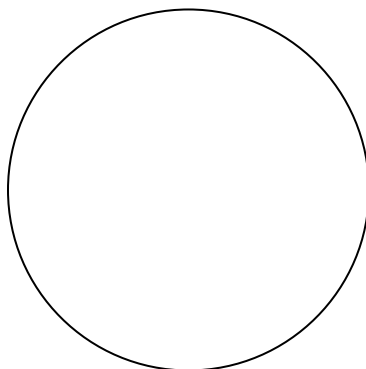
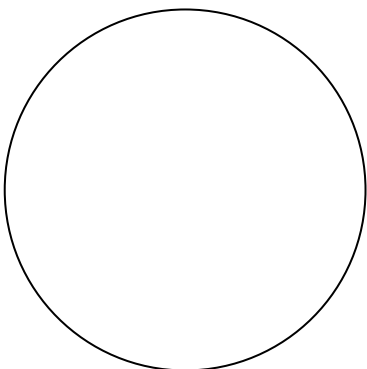
Three Types

1.

2.

3.

Draw examples in the circles below.



Organs & Organ Systems

Research the organ systems in the body. Explain how each system helps the body function. Identify major organs in each system and explain their role in the organ system.

Using the *All Systems Go!* website, answer these questions based on what you learned from playing the activity, and from reading the *Learn More* section.

- What body system helps humans turn the food they eat into energy?
- What body system helps humans breathe?
- What body system controls other body systems?
- What body system provides structure for the body?
- What body system allows us to move?
- What body system includes a transport system (blood) and a pump (the heart) that keeps the transport system moving?
- Can you think of two body systems that work together?
- What part of the nervous system is essential for it to work properly?
- What event could disrupt one or more body systems?
- What parts of the respiratory system would need to be blocked so no air could get into the respiratory system?

Skeletal System

Muscular System

Digestive System

Respiratory System

Circulatory System

Nervous System

Body Trivia

1. The thickness of your skin varies from how many millimeters to how many millimeters, depending on the area of your body?

2. List the five senses.

a.

b.

c.

d.

e.

3. How much blood does your body contain?
4. What is the strongest muscle in the body and where is it located?
5. Muscles account for what percentage of one's body weight?
6. How long are the small and large intestines?
7. How much skin do most people shed in a lifetime?
8. How much water flows through your kidney in one day?
9. How often do you blink in one day?
10. How many breaths do you take in a lifetime?
11. How many nerve cells are in your brain?
12. If you placed all your blood vessels end-to-end, how long would they be?
Using the information, complete the next two assignments.

Assignment - The Human Body Corporation

As a body organ, you are an employee of the Human Body Corporation. Due to recent cost increases, the Human Body has to fire workers. You need to write a letter to the Human Body Corporation defending your position in the company. In your letter, you need to describe to the corporation the following characteristics of your organ and explain why you are important to the Human Body Corporation.

1. Tell what the name of your organ is and where you are located.
2. Identify what systems of the body you work with.
3. Describe how you work with these systems.

4. List the other organs that work with you in your system.
5. Describe your main functions as a Human Body organ.
6. Tell the corporation how you perform these functions.
7. Tell the corporation why you are important and why they should not fire you.
8. Explain what might happen to the Human Body Corporation if they fired you.

You will read your letter to the Human Body Committee (the rest of the class). Along with your letter, you will need to have a photograph (labeled drawing) of your organ to use as a visual aid.

Assignment, Part Two - The Roundup

Your assignment is to share the information you have discovered by completing a Wanted poster. Here's the assignment and what is required on the poster.

- ↳ 8½ x 11 sheet of paper: any color.
- ↳ The word "Wanted" at the top of your paper.
- ↳ A **drawing** of your organ.
- ↳ Which organ system contains your organ?
- ↳ What is your organ's main function(s)?
- ↳ How does your organ work to keep your body healthy?
- ↳ Can a person live without your organ?