Name _____ Score _____

Explore-a-Pond

1. Click on the amoeba. Answer the following questions:

   a. Size (1 μm [micron] = one-millionths of an inch) - _____ μm.

   b. Where are they found?

   c. An amoeba moves using _____.

   d. Look at the picture. Describe its shape.

   e. Draw a picture of the amoeba.

2. Click on the paramecium. Answer the following questions:

   a. Size (1 μm [micron] = one-millionths of an inch) - _____ μm.

   b. Where are they found?

   c. A paramecium moves using _____.
   (click on the *Paramecium* link under the picture and find *"Movement."*)

d. Look at the picture. Describe its shape.

e. Draw a picture of the paramecium.

3. Click on the Euglena. Answer the following questions:

a. Size (1 μm [micron] = one-millionths of an inch) - _____ μm.

b. Where are they found?

c. A Euglena moves using _____.

d. Look at the picture. Describe its shape.

e. What color is the Euglena? _____.

f. Draw a picture of the Euglena.

4. Click on a microorganism of your choice. Answer the following questions:

a. My organism is a(n) _____.

b. Size (1 μm [micron] = one-millionths of an inch) - _____ μm.

c. Where are they found?

d. It moves using (if you can't find how it moves, say so!)

e. Look at the picture. Describe its shape (if it has color, include that information).

f. Draw a picture of your microorganism.

Passport to Pond World

Your name: _____

Modified from an activity sheet from the Canterbury Environmental Education Centre

My pond creature is called a:
My pond creature looks like this:

Details about my pond creature:

Color	
Shape	
Size	

How does it move?

Where does it live?

The Freshwater Restaurant
This is what my pond creature ***EATS***:
This is what ***EATS*** my pond creature:

Name: _____

Date: _____

Microviewer Lab

Introduction: In this activity, we will examine the basic building blocks of all living things – cells. We will use the Micro-Slide-Viewer and Microslides.

Directions: Read and follow the directions for use on the envelope attached to the folder holding the slide. Examine each slide and read the description in the folder. After looking at each slide and reading the information, answer the questions below and draw a picture of what you see in the circle provided.

Bacteria – Set 58 Slide 7

1. Where are the bacteria taken from and what were are they suspected to cause?
2. Do bacteria have a true nucleus?
3. What is the study of bacteria called?

Bacteria

Virus – Set 58 – Slide 8

1. What type of microscope is required to view a virus? What is the magnification used?
2. Why are scientists not sure if viruses are true cells or not

Virus

Name: _____

Date: _____

Spirogyra – Set 102 – Slide 3

1. What does it mean that the Spirogyra is a single celled organism?

2. What is the spiral ribbon-like structure inside of the cell made of?

3. What does this ribbon-like structure allow the cell to do?

Spirogyra

Amoeba – Set 102 – Slide 4

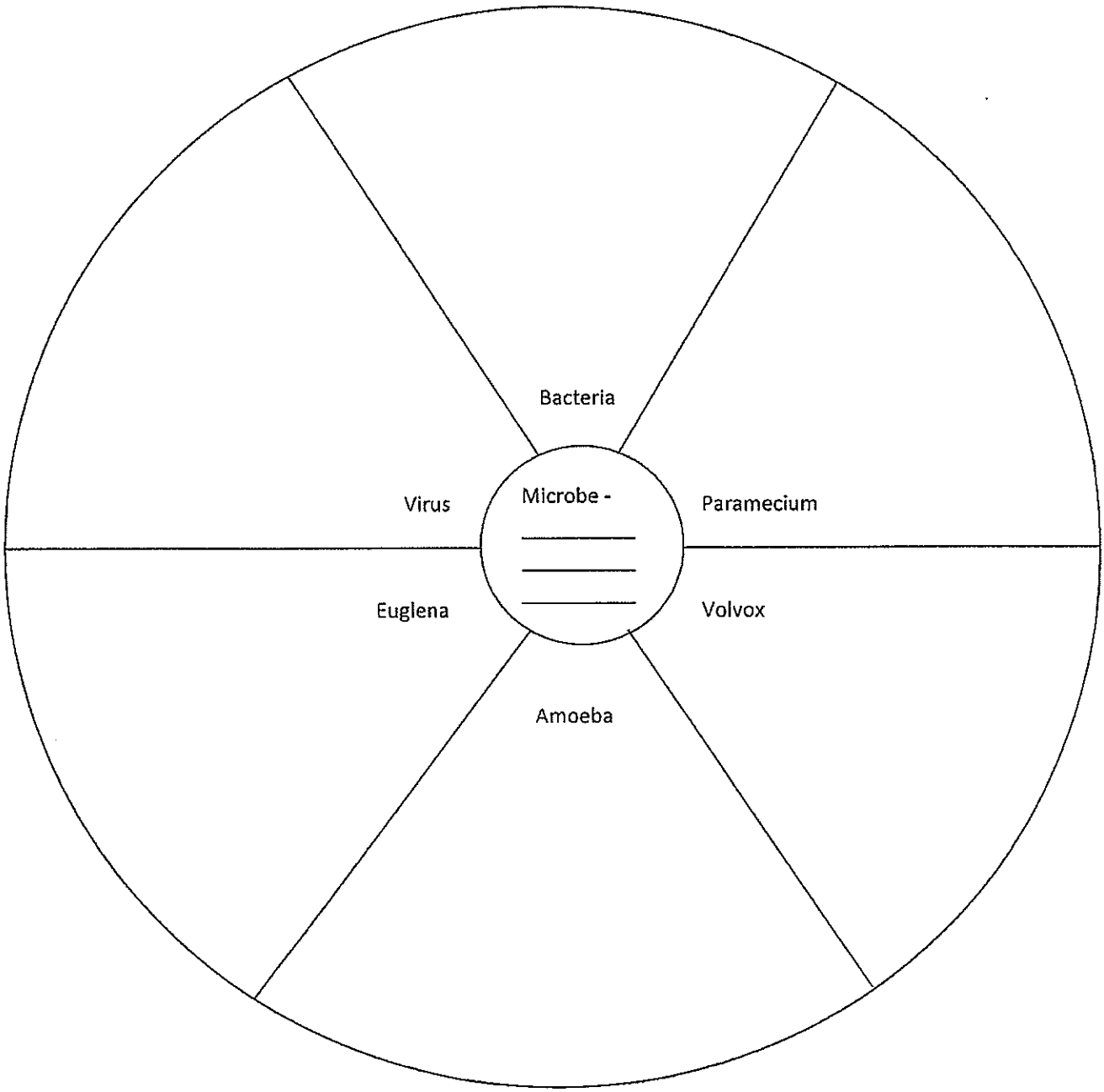
1. Where can you find an Amoeba?

2. Is the Amoeba more like a plant or an animal? How do you know?

3. How does the changing shape of an Amoeba help it to survive?

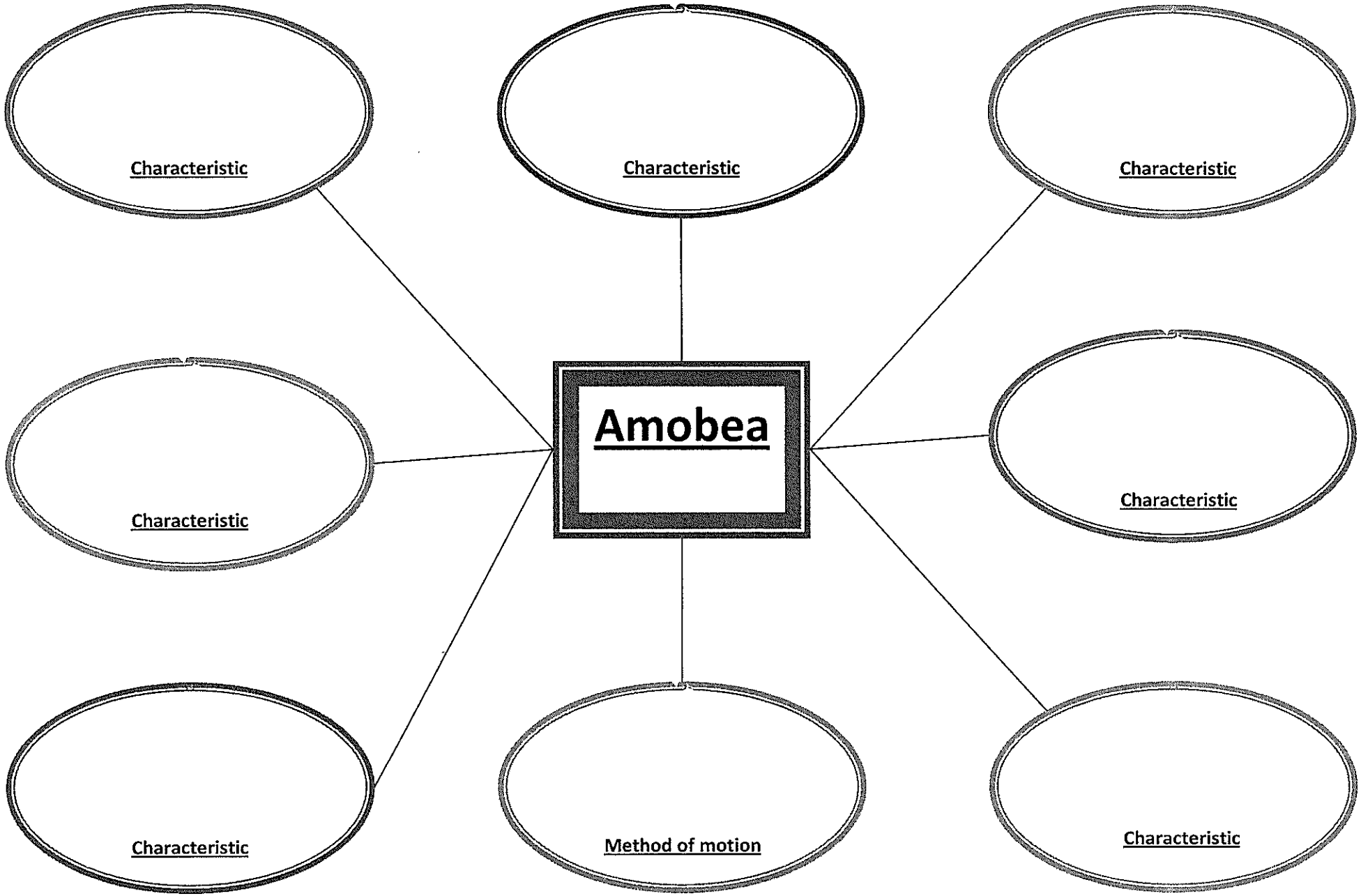
Amoeba

Directions: In the pie chart below, fill in each "pie piece" with information about the microbe given. Draw a picture of the microbe in the space that remains. Define the term "microbe" in the center circle.



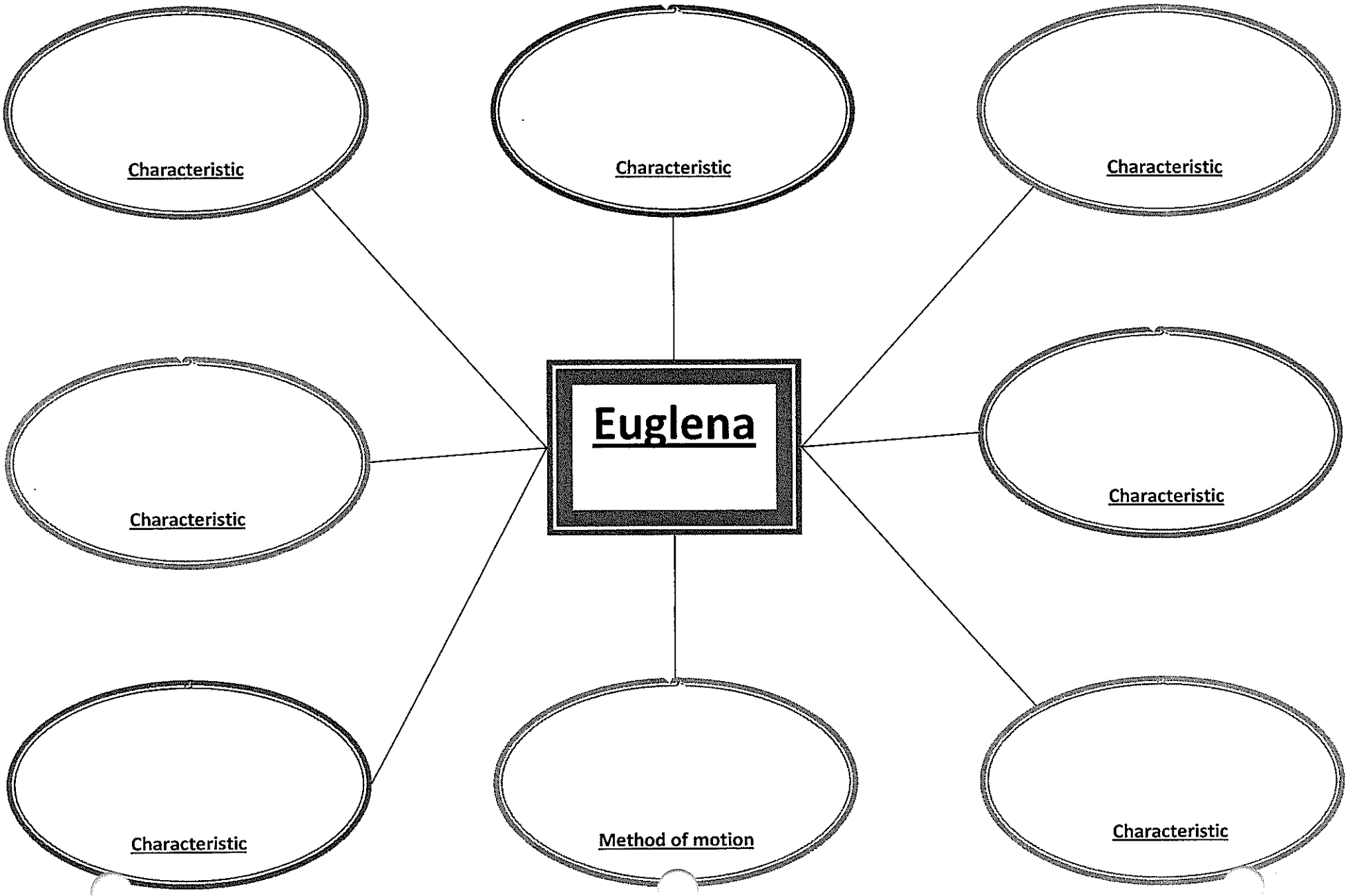
Name: _____ Period: _____ Date: _____

Amobea Concept Map



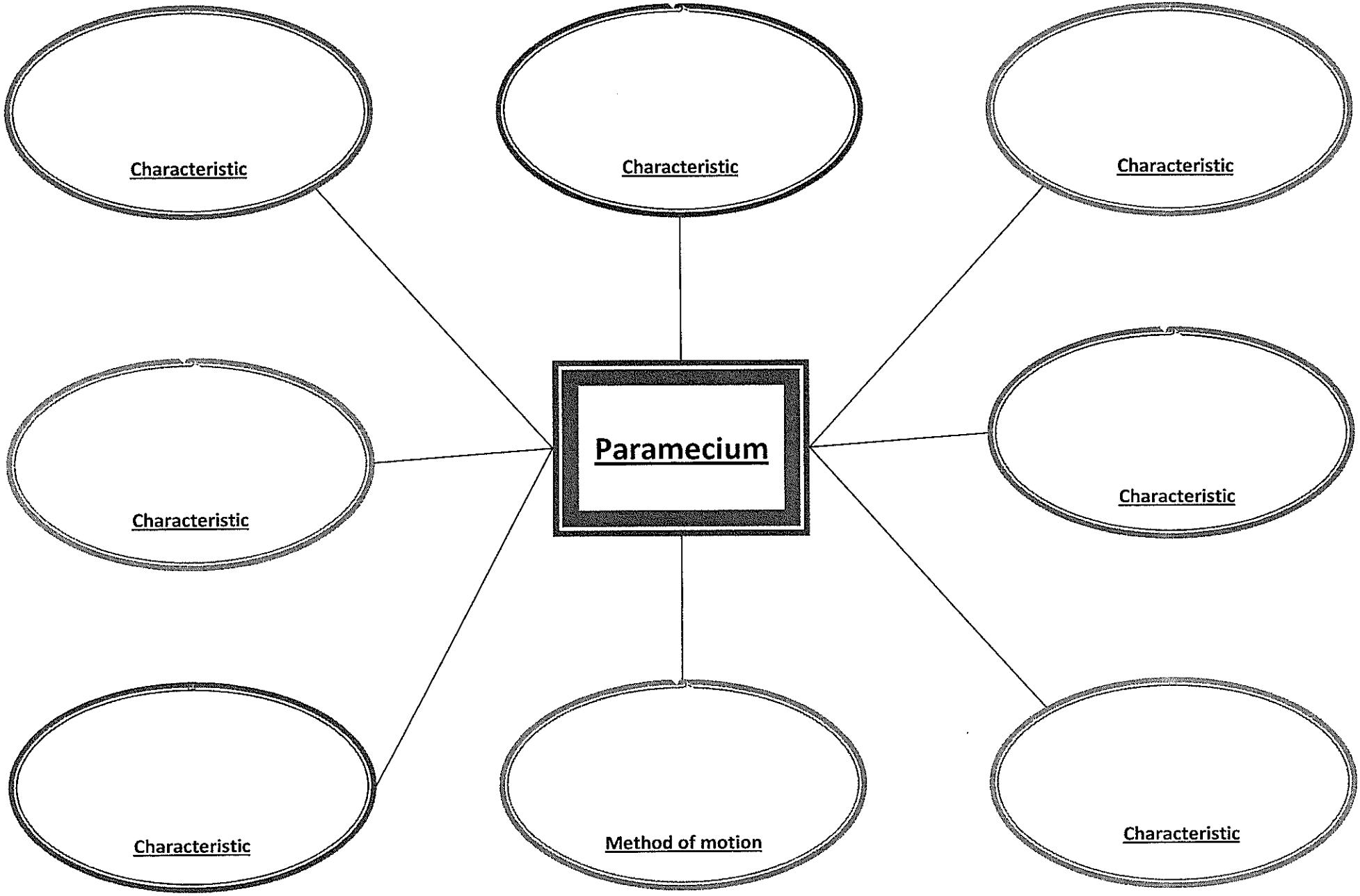
Name: _____ Period: _____ Date: _____

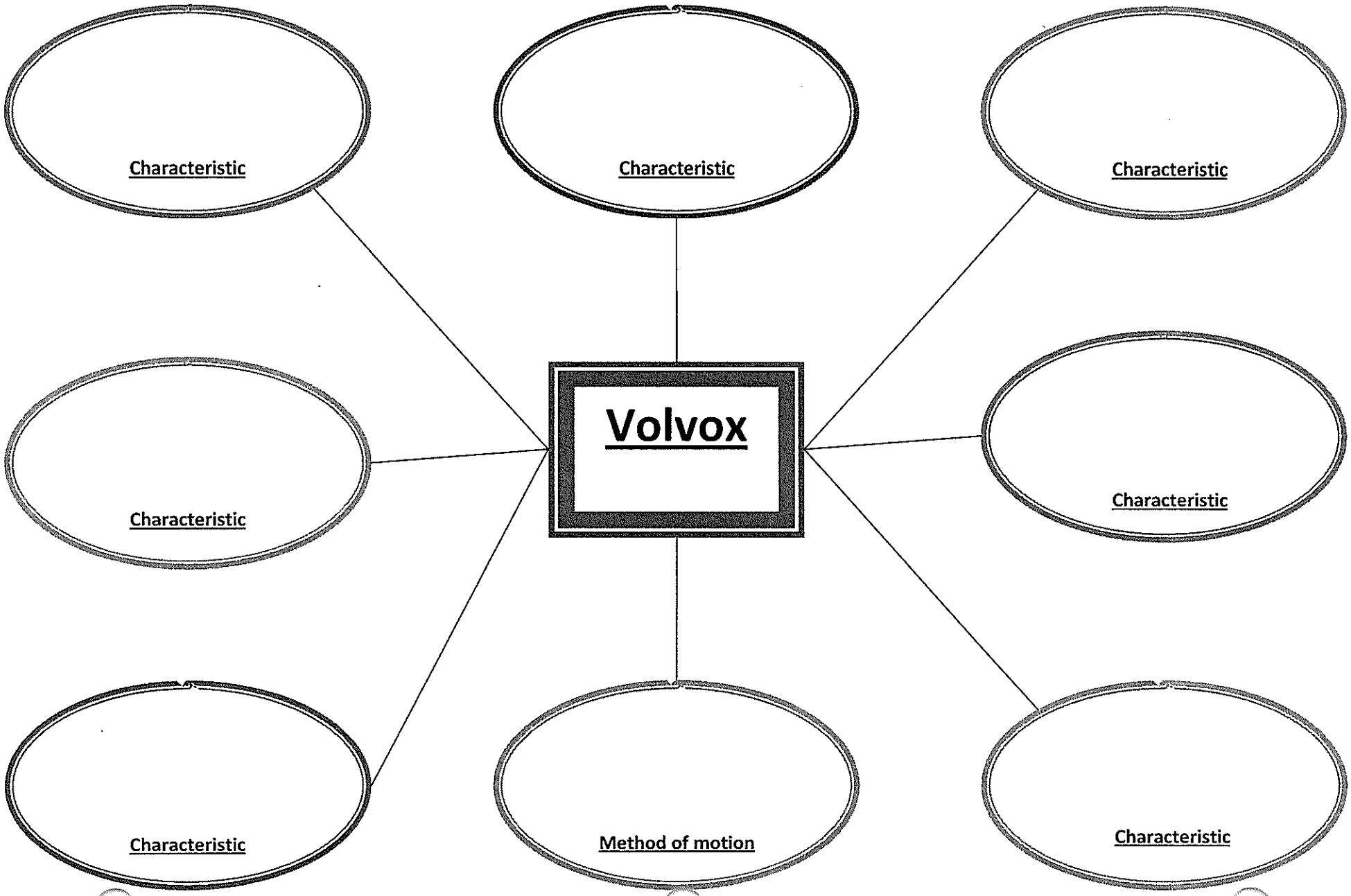
Euglena Concept Map



Name: _____ Period: _____ Date: _____

Paramecium Concept Map



Name: _____ Period: _____ Date: _____

Volvox Concept Map