

**Worksheet 5**  
**Circulatory System**

**Use Chapter 42 as Reference**

**Directions:**

- Complete using your textbook to find answers to the following questions. Next class we will spend going over this information and answering any questions that come up. Good luck and have fun!

**Outline Grading Criteria:**

- Outline shows a conscientious effort to be complete and explain the questions posed. Most answers are correct.
- Student shows depth of answers by explaining, defining, and giving examples where appropriate. If there is a sentence or less for each question, this grading criteria is not met. Sufficient development is required.

**Questions:**

1. Describe the how the circulatory system that utilizes a gastrovascular cavity functions in a) delivering oxygen and nutrients and b) getting rid of CO<sub>2</sub> and wastes.
  
2. For what type of organism won't a gastrovascular cavity work? Why?
  
3. Describe how an open circulatory system delivers oxygen and nutrients and picks up waste and carbon dioxide. Include the following terms in your description: hemolymph, sinuses, ostia, heart, vessels. What types of organisms use an open circulatory system?