

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class: \_\_\_\_\_

## Pre-Assessment Questions

Answer the following questions using complete sentences.

1. What is the engineering design process? Why do engineers use it?
2. What are the P, QRS and T complexes?
3. How is electrical current created by the human body?
4. How are action potentials generated?
5. Give one reason why heart bioelectricity is important for the human body.
6. What are the functions of the action potential? How does action potential propagation happen in the heart?
7. Why is it important for biomedical engineers to understand how the heart works?