**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?**