

Name \_\_\_\_\_

## RoboRevolution: The Mechanical Adventures of Tico Mateson

### Open-Ended Response Answer Key

1. Based on Tico's story, essential qualities and skills for a successful robotics engineer include curiosity, problem-solving abilities, creativity, technical proficiency, perseverance, and a passion for technology.
2. The field of robotics is important because it has the potential to improve our daily lives through automation, medical advancements, space exploration, and more. It can enhance efficiency, safety, and quality of life.
3. Tico's experiences in building robots in his garage were likely more independent and focused on small-scale projects, while working in a robotics company involved collaboration on larger, complex projects. Each has its own set of challenges and rewards, including creative freedom in independent work and the opportunity to contribute to impactful projects in a team setting.
4. Tico likely aims to convey the message that anyone can pursue a career in robotics, and that curiosity, passion, and hard work can lead to exciting opportunities and contributions in the world of technology and engineering.

