

Name \_\_\_\_\_

## The Inventor's Apprentice

### Open-Ended Response Answer Key

1. Professor Invento invited Sam to work with him because he was impressed by Sam's incredible inventions and creativity. Sam likely displayed qualities such as curiosity, innovation, and a passion for inventing that impressed the famous inventor.
2. Making mistakes can lead to success because each mistake provides an opportunity to learn and improve. Inventing often involves trial and error, and mistakes can reveal what doesn't work, leading to better solutions. For example, if you make a mistake while building a model, you can identify areas for improvement and create a better version.
3. Answers will vary. For example, a child might want to work on inventing a new type of transportation system because it could make people's lives easier and reduce pollution. From the experience, they might learn about engineering, problem-solving, and the importance of sustainable solutions.
4. Sam's week with Professor Invento likely expanded their perspective on inventing by teaching them that creativity, curiosity, and learning from mistakes are essential. Sam may apply these lessons to future inventions by embracing experimentation, collaboration, and resilience, leading to more innovative and successful creations.

