

Name _____

Emma's Scientific Adventures

Open-Ended Response Answer Key

1. Emma is described as "so keen" because she is deeply enthusiastic and dedicated to science. This suggests that she has a strong passion for her work and is eager to explore and learn through her experiments.
2. Answers may vary, but students could describe an experiment involving mixing chemicals to create colorful reactions, observing the behavior of animals, or growing plants in different conditions.
3. Emma's scientific discoveries can benefit society or the world by advancing our understanding of the natural world, solving complex problems, and potentially leading to innovations that improve people's lives, such as new medicines or technologies.
4. It is important for young scientists like Emma to explore and unlock secrets through their experiments because they contribute to the progress of human knowledge and have the potential to make significant positive impacts on our world. Their curiosity and dedication drive scientific advancements.

