

Name \_\_\_\_\_

## The Ever-Changing Weather: Why Does It Change from Day to Day?

### Open-Ended Response Questions

1. Investigate and describe a specific weather event that occurred in your region (e.g., a severe storm or extreme temperature variation). Explain the factors that contributed to this event and its impact on the community.
2. Reflect on the importance of weather forecasting in our daily lives. Provide examples of how accurate weather predictions can help individuals, businesses, and communities make informed decisions and prepare for weather-related events.
3. Imagine you are a meteorologist tasked with forecasting the weather for a major outdoor event. Describe the steps you would take to provide a reliable weather forecast, including the tools and data sources you would use.
4. Climate change is influencing weather patterns around the world. Research and discuss how climate change may impact the frequency and severity of extreme weather events, and what measures can be taken to adapt to these changes.

