The Phenomenon Event
- What do you observe?
- Why do you think this is happening?
- What ideas do you have about how this happens?

Patterns of the Event
- How does this event change over time? Duration? Frequency?
- How does this event change over different geographic locations?
- What other variables do you believe to affect this event in the Earth System?
- What phenomenon is this event most closely connected to?

The Phenomenon Structure
- What materials are involved in this phenomenon? How does matter flow in/through the system to affect this phenomenon?
- What forms of energy are involved in this phenomenon? How does energy flow in/through the system to affect this phenomenon?
- What scientific principles are related to this phenomenon?

The Earth System Connection
- What system/s does this phenomenon belong to (Atmosphere, Biosphere, Cryosphere, Geosphere, Hydrosphere)?
- How is this phenomenon connected to other spheres in the Earth System?
- What role do humans play in this phenomenon?
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