

## Asking Investigation Questions Related To Your “Should We” Question

Now that your family has picked a “Should We” question and created an initial model of that question, your next step is to identify events, processes, and or relationships from your initial model that you can investigate. To investigate, your family will collect data outside to learn more about your chosen events, processes, and relationships *AND* your family is going to gather information from community members, and from other sources, like the Internet, books, podcasts, and magazines.

### Part A: Identify Events, Processes, and/or Relationships from Your Initial Model of Your “Should We” Question

Scientific practices and ways of thinking can help people explore why or how events and processes (what scientists call “phenomena”), including those bound up in relationships, happen.

*Use your thinking about and modeling of your “Should We” question from LE 6.B.1 to help you select events and/or processes that you want to learn more about. You will pick at least two of them. **Look at your initial model to think about what events, processes, and relationships you need to learn more about in order to deeply understand your “Should We” question.** The thinking you did to complete the table in Part 2 of LE 6.B.1 might help you too. Once you have selected at least two events, processes, and/or relationships, you are ready to move to Part 2!*

Look at your initial model of your “Should We” question from LE 6.B.1. What do you need and want to learn more about (events or processes)? For example, do you need to better understand aspects of the relationships that you’ve shown in your initial model?

- 1. List everything you need and want to learn more about in the table on the next page.** (You can print this page or copy this table onto a blank sheet of paper.)
- 2. For each thing you list, fill in the blanks of the “if/then” statement to help you continue to think about your “Should We” question.**



Event or Process or Relationship	If we learn more about _____ [event, process, or relationship], then we think _____ about our “Should We” question.

*Now, select at least two events, processes, or relationships that you want to investigate* (you can put a check-mark or a star next to them, for example, to remember which ones you chose).



## Part B: Asking Investigation Questions

You've done so much important work already. Hopefully your family has had fun doing it too! You have chosen a "Should We" question and created an initial model of it. Then you have selected at least two events, processes, and/or relationships that are important ones to understand given your "Should We" question. Your next step is to decide on how you can investigate the events, processes, and/or relationships you've picked. Use the following table to help you think about that. Once you have asked some investigation questions, you are ready to move on to LE 7.

<b>Your focal events, processes, and/or relationships from part A.</b> (Write each one in a box below.)	<b>Questions that would help us investigate outside.</b> (For each event, process, or relationship, ask questions that you could investigate by collecting data [qualitative or quantitative] outside.)	<b>What specific data would we need to collect to investigate our question?</b> (For example, species counts, soil temperature, air temperature)
<b>Besides collecting data outside, what other kinds of information might we need?</b> List your thoughts about: (a) community members you could talk to, and (b) other kinds of sources you could use to find out what others already know about the events, processes, and/or relationships you chose.		