

Table 5.4

QUESTION PROMPTS FOR SCIENCE THINKING

Science Thinking	Question Prompts
Clarify experimentation.	<ul style="list-style-type: none"> • What problem are we trying to solve? • What is the purpose of our investigation? • What is our prediction? • How can we set up an experiment to test our hypotheses? • What observations can we make?
Justify answers.	<ul style="list-style-type: none"> • What does the data from our observations tell us? • What conclusions can we draw from the data? • What evidence do we have to justify our solution? • How will we communicate our findings? What will we say? What prompts might we need to share our work with others? • Is our evidence clearly communicated?
Extend or apply ideas.	<ul style="list-style-type: none"> • How can our knowledge from this experiment help us with other learning? • What new questions does this inquiry leave us wondering about that we could also explore? • How does this investigation relate to the real world?