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NAME:

CLASS:

<b>UNIT 3</b>	<b>Unit 3 Assessment: How do sustainable vehicles compare to conventional vehicles?</b>	<b>BLM 3-3</b>
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**INSTRUCTIONS:** Complete this worksheet by using information in the Unit 3 Assessment (pages 282–283 in your textbook)

1. What are your thoughts about the three options concerning how sustainable vehicles compare to conventional vehicles? Record your reflections below.

**Option A – Solar in the Sky**

**Option B – Electric Vehicles**

**Option C – Fuel-cell Safety**

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2. Brainstorm three more options and questions of your own about how sustainable vehicles compare to conventional vehicles. Record the options, questions, and your reflections below.

**Option D**

**Option E**

**Option F**

3. Choice of topic from the six options above: \_\_\_\_\_

Questions for investigation:

4. Plan and conduct a scientific inquiry to explore your question. Use Appendix A: How to Do a Research-Based Project on page 394 in your textbook.

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5. Organize and analyze the data and information that you find and collect.

6. Communicate the results of your inquiry in a suitable manner. Indicate what format you will use to communicate your results below.

7. Use the following checklist to ensure you meet the assessment criteria.

**Assessment Criteria Checklist**

<b>Did I and my group...</b>	<b>Check if completed</b>
Develop one or more questions that provided opportunities for rich investigation?	●
Develop effective methods to collect and record reliable data and information?	●
Analyze, reflect on, and draw meaningful conclusions as related to the inquiry?	●
Evaluate the process and results of the inquiry, troubleshooting problems if they arose?	●
Compare at least one type of sustainable vehicle with a conventional vehicle?	●
Present the results of the inquiry using language, conventions, and representations appropriate for a specific purpose and audience?	●