Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Questioning Through the Investigative Process**

**Worksheet 2: Investigative Questions**

**Part I:** For each investigative question consider the criteria for a well written investigative question. Give your reason for deciding if the investigative question is well written or if it needs improvement.

|  |  |  |
| --- | --- | --- |
| Question | Criteria to Consider | Explain what criteria the question does not meet, if any. |
| Are cars speeding in the posted school zone? | 1. Variable of interest is clear: 2. Population is clear: 3. Intent is clear: 4. Data: 5. Interesting/purposeful: 6. About the whole group: |  |
| What proportion of seniors at the high school participate in school sponsored activities that take place after the school day? | 1. Variable of interest is clear: 2. Population is clear: 3. Intent is clear: 4. Data: 5. Interesting/purposeful: 6. About the whole group: |  |
| How much money is spent on the daily lunch program? | 1. Variable of interest is clear: 2. Population is clear: 3. Intent is clear: 4. Data: 5. Interesting/purposeful: 6. About the whole group: |  |
| Does taking 500 mg of Vitamin C daily protect high school students from catching a cold during the winter months? | 1. Variable of interest is clear: 2. Population is clear: 3. Intent is clear: 4. Data: 5. Interesting/purposeful: 6. About the whole group: |  |

|  |  |  |
| --- | --- | --- |
| Question | Criteria to Consider | Explain what criteria the question does not meet, if any. |
| What is the typical length of girls’ hair? | 1. Variable of interest is clear: 2. Population is clear: 3. Intent is clear: 4. Data: 5. Interesting/purposeful: 6. About the whole group: |  |
| Is there an association between gender and ability to roll the tongue? | 1. Variable of interest is clear: 2. Population is clear: 3. Intent is clear: 4. Data: 5. Interesting/purposeful: 6. About the whole group: |  |

**Part II:** Write an investigative question for each of the following general topics:

1. Price of a new car
2. Effect of listening to music and math test scores