**Honors Chemistry II- Article**

**Claims, Evidence, Reasoning and Reflection**

**Claim**-A statement or conclusion that answers the original question/problem.

**Evidence-**Scientific data that supports the claim. The data needs to be appropriate and sufficient to support the claim.

**Reasoning**-A justification that connects the evidence to the claim. It shows why the evidence supports the claim.

Your task:



1. Read the article provided and pick out two claims.
2. Search the article for evidence to support these claims.
3. Provide a justification for each of your claims (how does the evidence support the claim).
4. Reflection (likes, dislikes, what you learned, significance, etc..) (~ 3 sentences)

C.E.R.R. Claims, Evidence, Reasoning and Reflection-Outline Format

Claim A (article)

 Evidence A (synthesis from article)

 Reasoning A (your noggin’)

Claim B (article)

 Evidence B (synthesis from article)

 Reasoning B (your noggin’)

Reflection

**C.E.R.R Rubric**

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| **Component** | **Level** |
| **0** | **1** | **2** |
| **Claim**- A statement or conclusion that answers the original question/problem.*What do you know?* **Claim A** **Claim B** | Does not make a claim, or makes an inaccurate claim. | Makes an accurate but incomplete claim. | Makes an accurate and complete claim. |
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| **Evidence-**Scientific data that supports the claim. The data needs to be appropriate and sufficient to support the claim. *How do you know?***Evidence A****Evidence B** | Does not provide evidence, or only provides inappropriate evidence (evidence that does not support the claim). | Provide appropriate but insufficient evidence to support claim. May include some inappropriate evidence.  | Provides appropriate and sufficient evidence to support claim. |
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| **Reasoning**-A justification that connects the evidence to the claim. It shows why the evidence supports the claim.*Why does your evidence support your claim?***Reasoning A****Reasoning B** | Does not provide reasoning, or only provides reasoning that does not link evidence to claim | Provides reasoning that links the claim and evidence. Repeats the evidence and/or includes some-but not sufficient-scientific principles | Provides reasoning that links evidence to claim. Includes appropriate and sufficient scientific principles. |
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| **Reflection-** likes, dislikes, what you learned, significance, etc.. (~ 3 sentences or more) | Does not provide a reflection. | Provides some reflective thoughts. 1-2 sentences. | Provides strong, reflective thoughts. ~ 3 sentences or more. |
| **Reflection** |  |  |  |
| **Total** |  |  |  |
| **Grade** |  **/14 =**  |