**RADIOACTIVITY PROJECT: Note Taking Page: Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
Topic: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| --- | --- | --- |
| **Isotope or Type of decay**What is the radioactive isotope/type of decay that is involved in the topic you are studying? | **Formula**Include the formula of the isotope/particles/rays involved. | **Half Life and Products**Does it decay or it is the result of decay? What type of decay? What are the products? What is the half-life of the isotope? |
| **Where does it come from?**Where does the radioactive material come from? How is it obtained/isolated? | **Use**How and for what purpose is the isotope/technology used? | **Diagram and explanation**Include a diagram/explanation of how the technology works. |
| **Who uses it?** | **Benefits**How can humans benefit from using this isotope/technology? (include 2 of the following perspectives: moral, ethical, social, economic, political, cultural and environmental) | **Disadvantages**What are the drawbacks? (include 2 of the following perspectives: moral, ethical, social, economic, political, cultural and environmental) |
| **Sources of Information including images – put onto Noodlebib** |

**Notetaking Rubric:**

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|  | **Beginning** | **Developing** | **Accomplished** | **Exemplary** |
| **Reliability and Accuracy of Sources** | * Selects information from unreliable or inappropriate sources (eg. self published and/or promotional websites)
* No citation of sources is included
 | * Selection from one or limited number of appropriate/reliable sources.
* the student makes little attempt to document sources of information
 | * Gathers information from a variety of appropriate/reliable sources.
* the student partially documents sources of information.
 | * Selects from a wide range of appropriate/reliable sources.
* the student fully documents sources of information correctly.
 |
| **Organization** | Points are not organized | Some grouping of related points | Related points are grouped with some labelling.  | Related points are grouped with headings and sub-headings. |
| **Focus**  | * Text is copied from source (does not distinguish quotes from paraphrased material).
* Notes are unfocused –little relevance to topic. Does not identify keywords or main idea.
 | * Student relies heavily on phrasing of original source.
* Some direct quotations are identified.
* Notes some relevant information (locates some keywords and main ideas).
 | * Student phrases points in his/her own words.
* Direct quotations are clearly identified.
* Notes are focused on topic: relevant information (keywords and main ideas) are noted.
 | * Student phrases points in his/her own words.
* Direct quotations are clearly identified and chosen selectively.
* Notes are concise and relevant (locates keywords and main ideas)
 |
| **Reflection** | * Does not identify areas for further research
* No observation made regarding learning to date.
 | * Little relevant reflection into what needs further research.
* Reflection on understanding to date is vague
 | * Identifies some keywords/ideas that need further research.
* Reflection is specific to notes.
 | * Identifies keywords/ideas that need further research.
* Reflection is specific to notes and shows insight.
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