**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. |