**Radiation Research Foldable:**

Today you will be spending some time researching the history of radioactivity, how radiation is used in various ways and the positive and negative impact it has on organisms. As you research, pay particular attention to how radiation is applied in the health/medical field, agriculture, industry, academic/scientific research and as an energy source. You will present your research in the form of a foldable with information, pictures, captions, diagrams and labels. The lay-out of the foldable is as follows:

* **Front:** Title and General information about radiation (what is it, what types are there, where can radiation be found etc.)
* **Inside front:** List sources of radiation in your community (Washington County)
* **Inside left:** History of radiation and the scientists who helped advance the study of radioactive elements. You must include at least 3 scientists.
* **Inside Center section**: How radiation **positively** affects humans, other organisms and the environment
* **Inside right**: How radiation **negatively** affects humans, other organisms and the environment

Your foldable needs to be organized accordingly and with adequate information for each of the sections. You can print pictures, cut them out of magazines or draw them in your foldable. You need to label all of the diagrams or pictures that you use and indicate how they apply to that section of your foldable. You will be graded on the content, organization and neatness of your foldable so please make sure it is readable and presentable.

Radiation Foldable Rubric:

|  |  |  |
| --- | --- | --- |
| **Section** | **Points Possible** | **Points Earned** |
| **General info** | 4 |  |
| **Sources in community** | 4 |  |
| **History & scientist info** | 4 |  |
| **Positive impacts** | 4 |  |
| **Negative impacts** | 4 |  |
| **Overall Project (organized, neatness, etc)** | 5 | Total: |

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