

# Chapter 10: Nuclear Chemistry Foldable

Requirements	Grading Rubric
<ul style="list-style-type: none"> <li>• Cover Page: Title, Name, Date, and Period</li> <li>• Page 1: <b>Nuclear Radiation</b> <ul style="list-style-type: none"> <li>○ Name 3 effects of nuclear radiation</li> <li>○ Name 2 ways nuclear radiation can be detected</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• ____/4 points</li> <li>• ____/3 points</li> <li>• ____/2 points</li> </ul>
<ul style="list-style-type: none"> <li>• Page 2: <b>Alpha Decay</b> <ul style="list-style-type: none"> <li>○ Definition</li> <li>○ Type of particle released</li> <li>○ Symbol</li> <li>○ Example</li> <li>○ Charge</li> <li>○ Mass</li> <li>○ What can it penetrate?</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> </ul>
<ul style="list-style-type: none"> <li>• Page 3: <b>Beta Decay</b> <ul style="list-style-type: none"> <li>○ Definition</li> <li>○ Type of particle released</li> <li>○ Symbol</li> <li>○ Example</li> <li>○ Charge</li> <li>○ Mass</li> <li>○ What can it penetrate?</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> </ul>
<ul style="list-style-type: none"> <li>• Page 4: <b>Gamma Ray</b> <ul style="list-style-type: none"> <li>○ Definition</li> <li>○ Type of particle released</li> <li>○ Symbol</li> <li>○ Example</li> <li>○ Charge</li> <li>○ Mass</li> <li>○ What can it penetrate?</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> <li>• ____/1 point</li> </ul>
<b>Total Score</b>	____/30 points

**\*\* Include grading rubric with foldable, 5 point penalty if rubric is missing from foldable.**

**\*\*\* EXTRA CREDIT POINTS: may be awarded for creativity and use of color.**