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Cool! I'am really happy

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#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

Student Exploration: Nuclear Decay

Essential Question: How do the properties of matter change during a phase transition?

Learning Objectives: After completing this exploration, you should be able to:

- Describe the process of nuclear decay and how it relates to the conservation of mass and energy.
- Calculate the half-life of a radioactive substance.
- Explain the difference between alpha, beta, and gamma decay.

Particle	Symbol	Charge	Approximate Mass
Alpha	α	2+	4.0
Beta	β	1-	0.0005
Gamma	γ	0	0

1. The **half-life** of an atom is equal to the time it takes for half of the atoms in a sample to decay.

2. The **decay constant** of an atom is equal to the inverse of its half-life.

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