

Name - _____

Start time - __ : __

End time - __ : __

If you have 100 grams of a radioactive substance with a half-life of 10 years, how much will remain after 30 years?

A sample of radioactive material decays to $\frac{1}{8}$ of its original mass in 24 years. What is the half-life of this substance?

Discuss the impact of nuclear power on society, including its benefits and risks.

Explain why alpha particles are less penetrating than beta particles or gamma rays.

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