

Name - _____

Start time - __ : __

End time - __ : __

Discuss the risks associated with exposure to radioactive materials and how they can be minimized.

Explain how nuclear fission is used to generate electricity in nuclear power plants.

If an atom undergoes alpha decay, what changes occur in its atomic number and mass number?

Give an example of a naturally occurring radioactive element and an artificial one.

How do nuclear weapons utilize the principles of nuclear reactions, and what is critical mass?

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