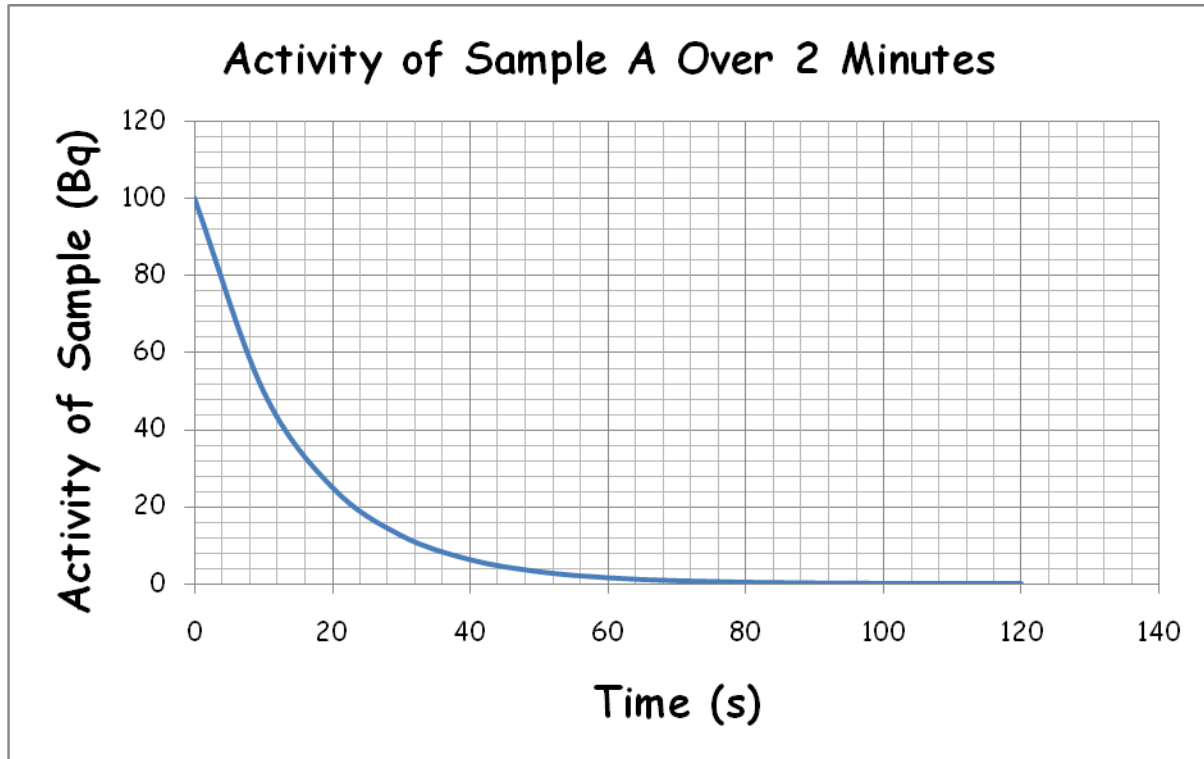


# Half Life Graphs

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The half life is the time it takes for the activity of a sample to half. Find the half lives of the following samples.

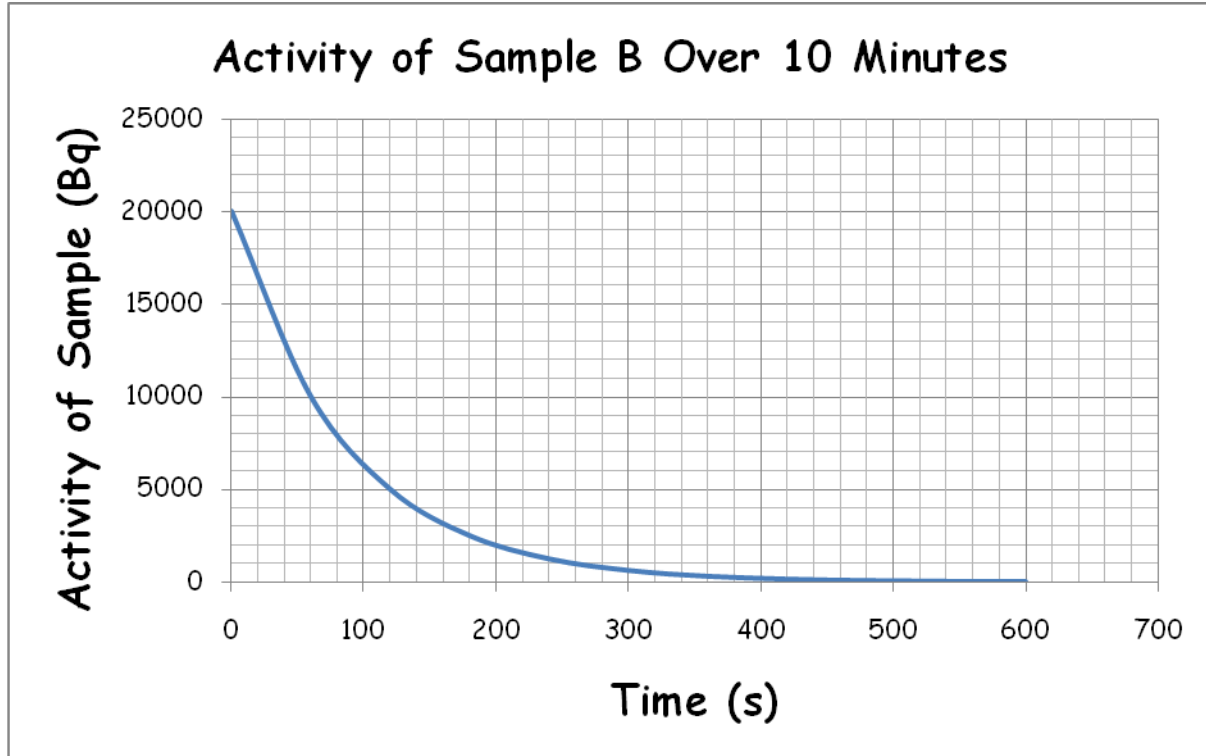
**Sample A**



Half Life = \_\_\_\_\_

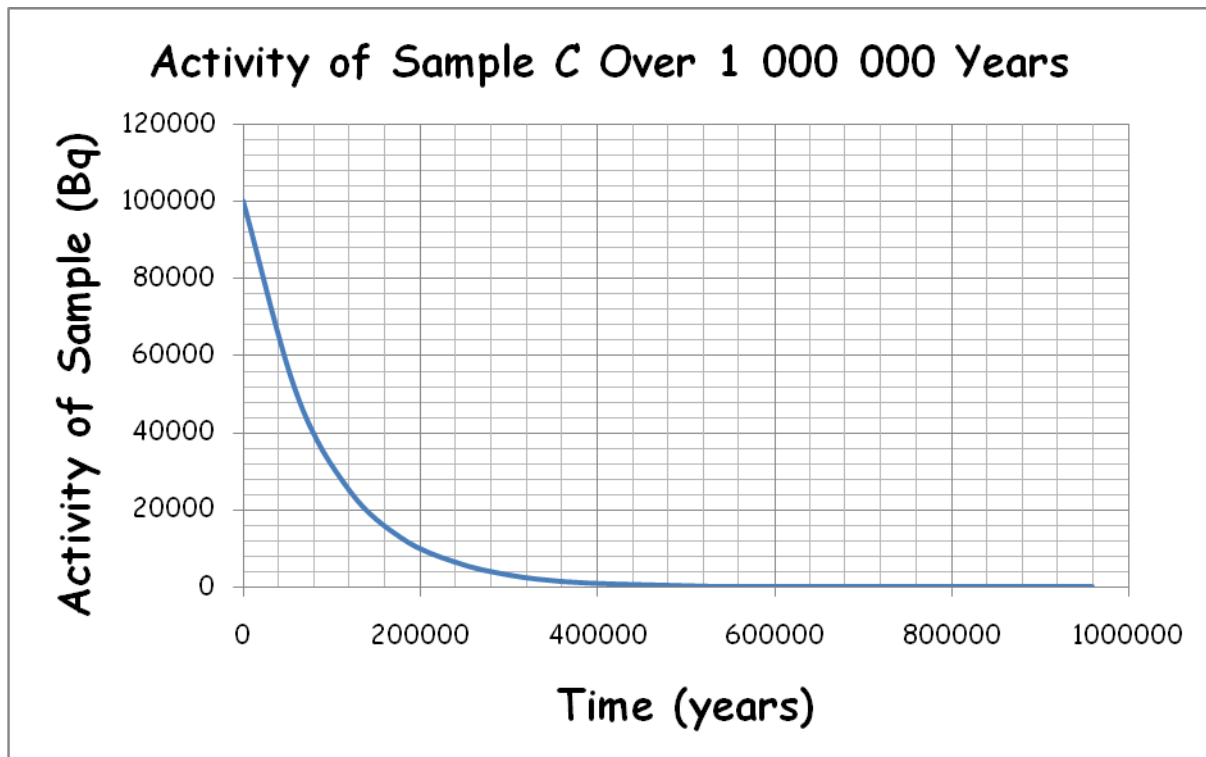
**Sample B**

# Half Life Graphs



Half Life = \_\_\_\_\_

*Sample C*



Half Life = \_\_\_\_\_

# Half Life Graphs

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## *Calculating Half Life:*

*Example: A sample of cobalt-60 has an activity of 2000 Bq. What will the activity be after 10 years? Cobalt-60 has a half life of 5 years.*

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*Example: A sample of strontium-90 has an activity of 5000 Bq. After 120 years the activity has fallen to 625 Bq. What is the half life of strontium-90?*

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