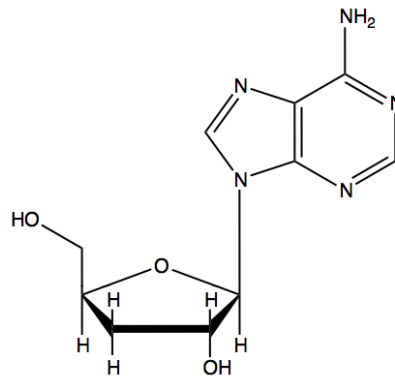


Quiz 9

Name: _____

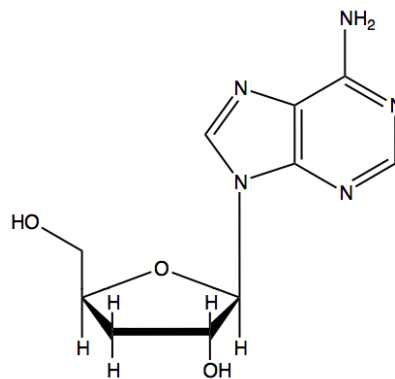


Cordycepin (shown above) is an antibiotic known to inhibit the process of transcription. It was first purified from a fungus species of the genus *Cordyceps*.

1. What nucleoside does cordycepin mimic (A, T, U, G, and/or C)?
2. Does cordycepin need to be modified to be bioactive in the transcription process? If so, how does it need to be modified?
3. What is the basis by which cordycepin (or a modified derivative as suggested in #2) inhibits the process of transcription?

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