STUDENT VERSION

DRUG ADMINISTRATION

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STATEMENT

Jenny takes a drug (10 mg) every 8 hours. If she only took one dose, 5 mg would remain in her bloodstream after 6 hours.

1. Model the amount of drug in her bloodstream. Be sure to state your assumptions.
2. Describe the amount of drug in her bloodstream over the next 120 hour period (5 days) if this administration protocol is followed.
3. What concerns might there be about the levels of the drug in her bloodstream and how does your model address these?