

Which best describes bacterial ribosomes?

1. 50S and 30S subunits; made of rRNA and proteins; involved in translation of mRNA.
2. 60S and 40S subunits; made of rRNA and lipids; involved in transcription.
3. 50S and 30S subunits; made of tRNA and proteins; involved in transcription of DNA.

If an antibiotic such as tetracycline binds to a 30S ribosomal subunit, how does it harm the bacterium?

1. It interferes with transcription.
2. It interferes with DNA replication.
3. It interferes with translation.