

**Key Words and Phrases for Concept Map on
How Antibiotics and Chemical Agents Affect Bacterial Structures and Functions, Part-2**

inhibits bacterial RNA polymerase

Antibiotic/chemical agent binds to prokaryotic ribosomal subunits.

binds to 30S ribosomal subunit

binds to 50S ribosomal subunit

prevents the transfer of the peptidyl tRNA from the A-site to the P-site

interferes with the proofreading process that helps assure the accuracy of translation

prevents peptidyltransferase from forming peptide bonds

anticodons of charged tRNAs cannot align with the codons of the mRNA

interferes with the binding of the 50S subunit to the initiation complex

blocks translation of mRNA into protein