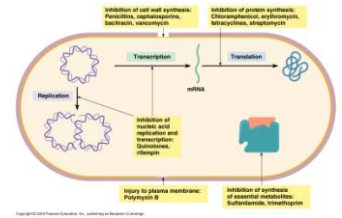


ANTIMICROBIAL DRUGS

GENERAL CONCEPTS

WHAT ARE ANTIBIOTICS? WHY ARE THEY MADE?



SELECTIVE TOXICITY

PROBLEMS: ANTIBIOTIC RESISTANCE

PROBLEMS: SUPERINFECTIONS

ANTIBACTERIAL DRUGS

ANTIBIOTICS

CELL WALL INHIBITORS

PENICILLINS

SOURCE

TYPES

NATURAL

SEMI-SYNTHETIC

PROBLEMS

CEPHALOSPORINS
SOURCE

RANGE

BACITRACIN
SOURCE

RANGE

PROBLEMS

PROTEIN SYNTHESIS INHIBITORS

TETRACYCLINE
SOURCE

RANGE

PROBLEMS

AMINOGLYCOSIDES
SOURCE

RANGE

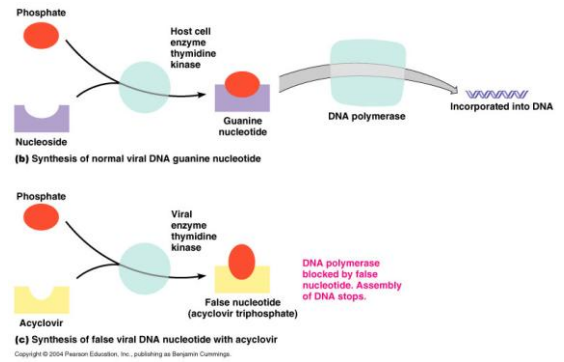
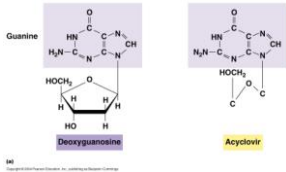
PROBLEMS

MACROLIDES (ERYTHROMYCIN)
SOURCE

RANGE

RANGE / USES

ACYCLOVIR (ZOVIRAX) MECHANISM OF ACTION



RANGE / USES

RIBAVIRIN (VIRAZOLE) MECHANISM OF ACTION

RANGE / USES

ZIDOUVIDINE (AZT), ddi, AND ddC MECHANISM OF ACTION

RANGE / USES

PROTEASE INHIBITORS MECHANISM OF ACTION

RANGE / USES

ANTIFUNGAL DRUGS

WHY SO FEW?

POLYENES

SOURCE

MECHANISM

AMPHOTERICIN B

NYSTATIN

AZOLES (IMIDAZOLES & TRIAZOLES)

MECHANISM

USES

ANTIPARASITIC DRUGS

ANTIPROTOZOANS

QUININES

METRONIDAZOLE (FLAGYL)

....

ANTIHELMINTHICS

PROBLEMS

NICLOSAMIDE

MEBENDAZOLE

....
