

Scientific Names, Diseases, and Drugs	Vocabulary and Concepts
<i>Streptococcus pneumoniae</i>	Prokaryotes vs. eukaryotes
<i>Streptococcus mutans</i>	Nucleoid
<i>E.coli O157:H7</i> (EHEC)	Chromosome
<i>E.coli O104:H4</i> (EHEC)	Plasmids
<i>Limulus</i>	Horizontal gene transfer (know the Griffith experiment)
<i>Mycobacterium</i>	Capsules
<i>Mycoplasma pneumoniae</i>	Encapsulated and non-encapsulated
<i>Streptococcus pyogenes</i>	Transformation
<i>Streptomyces griseus</i>	DNA → mRNA → Amino acids (proteins)
<i>Streptomyces erythreus</i>	Transcription
<i>Borrelia burgdorferi</i>	Translation
<i>Treponema pallidum</i>	Biofilms
<i>Candida albicans</i>	Cariogenic
<i>Epidermophyton</i>	Lactic acid from <i>S. mutans</i>
<i>Trichophyton</i>	Gnotobiotic
<i>Microsporum</i>	Penicillinase
<i>Malassezia</i>	Antibiotic resistance
Dental cavities (caries)	Peptidoglycan
Shock (hypotension)	Lipopolysaccharide (LPS)
Hemolytic uremic syndrome (HUS)	Lipid A
Fever – pyrexia (know the stages)	Toxin
TB & Hanson’s disease	Shock
Walking pneumonia	Enterohemorrhagic
Strep throat (streptococcal pharyngitis)	<i>Limulus amoebocyte lysate</i> assay (LAL)
Necrotizing fasciitis	O polysaccharide (O)
Scarlet fever	Flagella proteins (H)
Lyme disease	Mycolic acid
Erythema migrans	Phagocytosis
AGS (Alpha gal syndrome)	M protein
Syphilis	Pyrexia (know stages)
Rash	Vasoconstriction
Lesions	Vasodilation
Cutaneous mycoses	Ribosomes
Candidiasis (yeast infection)	30S, 40S, 50S, 60S ribosome subunits
Tinea pedis (athlete’s foot)	Half-life calculations
Tinea cruris (jock itch)	Pili
Tinea capitis (scalp itch)	Conjugation
Tinea barbae (beard itch)	Axial filaments
Tinea corporis (ringworm)	Lateral flow immunochromatographic assay
Dandruff	Antigens
	Antibodies
	Nucleus
Fluoride	Paired chromosomes
Penicillin	Ergosterol
Loperamide (“Imodium AD”)	Dermatophytes

Acetaminophen ("Tylenol") Ibuprofen ("Advil") Naproxen ("Aleve") Aspirin Streptomycin Erythromycin Miconazole ("Monistat") Clotrimazole ("Lotrimin") Pyrithione zinc	Phagocytic leukocytes (white blood cells) Chemotaxis
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