EXAM III REVIEW **BIOL215** **SPRING 2026** **DR. PRYOR**

Scientific Names, Diseases, Antimicrobial Control	**Antibiotics and Vocabulary**
Trichinella *Propionibacterium acnes* MRSA (Methicillin-resistant *Staphylococcus aureus*) *Mycobacterium tuberculosis* (TB) Acne Gonorrheal neonatal ophthalmia Dandruff Cavities Hospital-acquired infections TB (tuberculosis) Bird flu (H5N1) Swine flu (H1N1) Oral herpes (HSV-1) Genital herpes (HSV-2) Chickenpox/shingles (HSV-3) Mononucleosis (HSV-4 or EBV) Viral hepatitis (HepA, HepB, HepC) Warts, papillomas, genital warts, cervical cancer (HPV) Poliomyelitis (Polio virus) Flu (Influenza virus) Cold (Rhinovirus) Measles (Measles virus) Rubella (Rubella virus) Mumps (Mumps virus) Rabies (Rabies virus) Winter vomiting bug (Norwalk virus) AIDS (HIV) COVID-19 (SARS-CoV-2) Sterilization Antisepsis Disinfection Degerming Sanitization Moist heat vs. dry heat Autoclave Lyophilization Radiation Filtration Alcohols (isopropyl and ethyl alcohol)	Sulfa drugs → target bacterial enzymes - Sulfamethoxazole Penicillins → target bacterial cell wall (β-lactam ring) - Penicillin G - Penicillin V - Methicillin - Amoxicillin - Ampicillin β-lactam antibiotics β-lactamase Penicillinase Methicillinase Peptides → target bacterial cell wall - Isoniazid → targets mycolic acid Macrolides → target 50S ribosome - Erythromycin - Azithromycin (“Z-pak”) - Clarithromycin Aminoglycosides → target 30S ribosome - Streptomycin - Gentamycin Tetracyclines → target 30S ribosome - Tetracycline Quinolones → target bacterial DNA - Ciprofloxacin Viruses (definitions and characteristics) Capsid Capsomere Envelope Nucleic acid (DNA or RNA) Intracellular parasite Lytic cycle (know steps) Latency (know steps) Provirus Virions Lysis Budding Phage/ phage therapy Reverse transcription Mutation, antigenic shift

Tinctures Chlorhexadine (“Nolvasan”) Oxidizing agents - Hydrogen peroxide - Benzoyl peroxide - Ozone Heavy Metals - Silver nitrate - Zinc - Mercury (“Mercurochrome”) - Copper Halogens - Iodine (“Betadine”) - Chlorine - Sodium hypochlorite (“Clorox”) Quaternary ammonium compounds (Quats) - Benzalkonium chloride (“Bactine”)	Hemagglutinin Neuraminidase Protein spikes Jaundice URT/LRT Koplik’s spots Conjunctivitis Coryza MMR vaccine Encephalitis Gamma radiation Ultraviolet light HEPA filter Tincture of iodine Oligodynamic action