

Microbe names, diseases, drugs	Vocabulary and concepts
<b>Herpesviridae</b> (HHV-1, 2, 3, 4) Oral and Genital Herpes Chickenpox/shingles Mononucleosis	Viruses Nucleic acids Capsid Capsomere
<b>Poxviridae</b> Smallpox (variola) Cowpox (vaccinia)	Helical, icosahedral, complex Enveloped Virion
<b>Papovaviridae</b> Human papillomavirus (HPV) Cervical cancer, genital warts, tumors	Oncovirus Koplik's spots MMR vaccine
<b>Hepadnaviridae</b> Hepatitis B Jaundice	Vector Opportunistic infections Lytic cycle – know steps Lysogenic cycle (latency) – know steps
<b>Picornaviridae</b> Hepatitis A Poliomyelitis (polio) Rhinovirus (common cold)	Phagocytosed Lysis Reverse transcriptase
<b>Filoviridae</b> Ebola (hemorrhagic disease)	DNA, mRNA, amino acids/proteins Transcribed
<b>Calciviridae</b> Norwalk virus (GI disease)	Translated Pandemic
<b>Reoviridae</b> Measles (rash) Cough, coryza, conjunctivitis	Antigenic shift Hemagglutinin Neuraminidase
<b>Paramyxoviridae</b> Mumps (swollen salivary glands)	Phage therapy Nosocomial infections
<b>Togaviridae</b> German measles/ rubella (rash)	Sterilization Antisepsis Disinfection
<b>Flaviviridae</b> West Nile virus Meningitis Encephalitis	Degerming Parenteral route Sanitization
<b>Rhabdoviridae</b> Rabies	Moist heat vs. dry heat Autoclave
<b>Coronaviridae</b> SARS, MERS Infectious bronchitis (IBV)	Pasteurization Filtration HEPA
<b>Retroviridae</b> Human immunodeficiency virus (HIV) AIDS Swine flu (H1N1) Spanish flu Nucleoside analogs	Low temperatures (fridge, freezer) Psychrophiles Osmotic pressure Dessication Gamma radiation UV radiation

AZT ("Retrovir") Valacyclovir ("Valtrex") Acyclovir ("Zovirax") Ribavirin ("Copegus") Interferon ("Pegasys") Bacteriophage/phage Tobacco mosaic virus Viroids Prions Mad Cow Disease Phenol ("Lysol") Biguanides ("Nolvasan" – chlorhexidine) Halogens Iodine ("Betadine") Chlorine ("Clorox")	Sodium hypochlorite Rubbing alcohol (isopropyl alcohol) Hand sanitizer (ethyl alcohol/ethanol)
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