Name: _____ Block: _____ Date: _____

Germ Theory – What Causes Contagious Disease?

Define **infectious disease**: same as contagious or communicable - passes from person to person

According to **Germ Theory**, what causes infectious diseases? pathogen (germ or microbe)

Examples of **pathogens:** 1. bacteria 2. fungi

3. protists 4. viruses

Examples of infectious disease

hepatsis B - virus (HBV)	tuberculosis (TB) - bacterium
AIDS - HIV	strep throat - streptococcus
cold - rhinovirus	Athlete's Foot - fungus
flu - influenza virus	malaria - Plasmodium

What are some examples of **diseases that are NOT infectious**? most cancer, cardiovascular, diabetes, asthma, any genetic disease, CF, S.C.A., Huntington's

Why is Germ Theory important?

1. sanitization/sterilization to prevent spread
2. medicines like antibiotics to treat disease
3. vaccination to prevent infection

Name: _____ Block: _____ Date: _____

Name	Discovery or Contribution
John Snow 1854	Showed that cholera was spread by contaminated water, not air (water contained bacteria)
Florence Nightingale 1860	emphasized cleanliness in patient care (1st nurse)
Louis Pasteur 1865	main author of Germ Theory finally disproved Spontaneous Generation (swan neck flask exp.) invented pasteurization (heating up food to kill microbes) invented vaccines
Joseph Lister 1867	namesake of Listerine thought of using chemicals to kill germs
Robert Koch 1876	proved that certain bacteria cause certain diseases
William Halstead 1890	surgeons should use gloves