

Name: _____

Waterborne Pathogens

Research the pathogens and complete the table. Useful websites include:

<http://phil.cdc.gov/phil/home.asp> or <https://www.cdc.gov/>

Name of pathogen	Classification (Virus/Parasite/Bacteria)	Pathophysiology: disease and symptoms
Entamoeba histolytica	P Kills 55 000 people/year	-ingested through drinking water -cramping/diarrhea /flatulence/fatigue/loss of appetite
Coxsackie virus A or B	V	-through drinking untreated water -fever/sore throat/rash on hands/sores/lesions on tongue (aka Hand foot & mouth disease)
Yersinia enterocolitica	B 35 deaths/year in USA	-eating raw or under cooked pork -fever/ abdominal pain/diarrhea
Vibrio cholera	B Kills 95 000 people/year	-drink/eating contaminated water or food -can be asymptomatic to mild -or diarrhea/vomiting/leg cramps/dehydration
Giardia lamblia	P	-ingesting stuff contaminated by fecal matter (aka poop) -diarrhea/gas/greasy stool that floats/cramping/dehydration
Noroviruses	V	-contaminated foods & surfaces -diarrhea/vomiting/nausea/stomach pain
Shigella dysenteriae	B	-passed on by touch or drinking untreated water -diarrhea/fever/stomach pain/feeling the need to poop when bowels are empty
Salmonella typhi	B Kills 420 deaths/year in USA	-food borne illness -diarrhea/fever/cramps
Toxoplasma gondii	P	-food borne illness -asymptomatic -flu like symptoms/in severe cases it can lead to brain, eye, and/or organ damage
Poliovirus	V	-ingested through food or water -fever/fatigue/headache/vomiting/stiff neck/painful limbs/can lead to paralysis and death
Escherichia Coli (aka E.Coli)	B	-ingested through fecal matter in food and water -cramps/diarrhea/vomiting/mild fever
Campylobacter spp.	B	-drinking untreated water -diarrhea/fever/cramps/vomiting -can cause complications: IBS, temp. paralysis & arthritis
Cryptosporidium	P	-ingested through food and water -diarrhea/cramps/vomiting/fever/weight loss/dehydration