

HEALTH HAZARD / TOXICOLOGY ASSIGNMENT

1. Select from one of the following:

CHEMICAL	PHYSICAL	BIOLOGICAL	CULTURAL
Photochemical Smog	Fire	HIV	Smoking
Organohalogen/chlorinated hydrocarbons	Earthquakes	Schistosomiasis	Unsafe Working Conditions
Asbestos	Volcanoes	Tuberculosis	Poor diet
Carbon Monoxide	Floods	MRSA	Drugs
Chloroform	Tornadoes	Avian Bird Flu	Alcohol
Para-dichlorobenzene	Hurricanes	Influenza	Driving
Formaldehyde	Cholera	Polio	Crime
Styrene	Arsenic	Chicken Pox	Unsafe sex
Radon	Benzene	Small Pox	Poverty
Tobacco	Vinyl Chloride	Malaria	
Mercury	Aluminum	STD	
Cadmium	Bisphenol A	West Nile Virus	
Lead	Phthalates	Swine Flu	
PCB	DDT	Measles	
Chromium	Methyl Isocyanate	Lyme Disease	
CO	Particulates		
Ozone			

2. Describe the health hazard in terms of:

- a. What is it?
- b. Prevalence: Global vs. U.S. statistics? Any particular population targeted?
- c. What are the sources/main areas where you might find this health hazard? How do humans/the environment become affected by this health hazard? Transmission or propagation?
- d. What are the effects/symptoms?
- e. How toxic is it? If possible, find the LD50 level or describe the length of exposure and mortality rate when exposed.
- f. Treatment?
- g. Describe a legal action that helped curb/control the risk of this health hazard.
- h. Include a diagram that aids in the understanding of one of the following:
 - i. What it is
 - ii. How it is transmitted
 - iii. Location