

Name: _____ Date: _____ Pd: _____

LD 50 and MSDS Activity

Fill in the table for YOUR weight for the last box, google "Common LD₅₀" and pick a substance and calculate your LD₅₀* note: these are natural substances

Substance (source or product)	LD ₅₀ (mouse or rat) mg/kg or g/kg	SHOW YOUR WORK	LD ₅₀ for you (g/person)
disodium EDTA (Secret deodorant)	2000. mg/kg		
benzaldehyde (Cherry Flavor)*	4.8 mg/kg		
Tetrahydrocannabinol (THC from marijuana)*	110 mg/kg		
Ethyl acetate (Cherry Flavor)*	6100 mg/kg		
propylene glycol (Cherry Flavor)	20 g/kg		
Caffeine (Mountain Dew)*	0.13 g/kg		
malic acid (sour candy)*	1.6 g/kg		
Methanol (wood alcohol)*	5628 mg/kg		
Nicotine (through mouth)*	190 mg/kg		
Botulinum toxin (bacteria)*	3×10^{-8} mg/kg		
potassium nitrate (fertilizer)	190 mg/kg		
sodium fluoride (toothpaste)	52 mg/kg		
parathion (pesticide)	6.0 mg/kg		
Vx (nerve gas)	2×10^{-2} mg/kg		
tetrodotoxin (poison from puffer fish)	334×10^{-6} g/kg		
diazinon (ant killer dust)	0.076 g/kg		
amphetamine sulfate	32 mg/kg		
Ephedrine	0.600 g/kg		
gamma hydroxybutyrate (date rape drug)	2.0 g/kg		
Cocaine	96 mg/Kg		