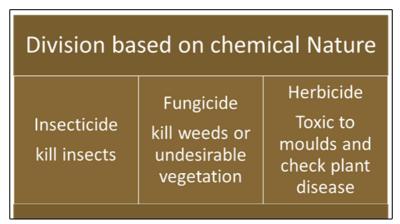
Examrace

Toxic Chemicals: Pesticide, Types of Pesticides and Their Constituent, Effect and Uses

Doorsteptutor material for competitive exams is prepared by world's top subject experts: **get questions**, **notes**, **tests**, **video lectures** and **more**- for all subjects of your exam.

Pesticide = Pest + Cide (To Kill Pests)



©Examrace. Report ©violations @https://tips.fbi.gov/

Types of Pesticides and Their Constituent, Effect and Uses

Pesticide	Constituent	Effect	Used as
Organochlorines	Chlorinated hydrocarbons	Liver cancer,	Insecticides
		neurological damage	
Organophosphate	Phosphoric acid	Tremor, confusion,	Insecticides
		slurred speech, muscle	
		twitching, convulsions	
Carbamates	Carbamic acid	Nausea, vomiting,	Fungicides,
		blurred vision,	Insecticides
		convulsions and	
		sometimes death	
Chlorophenoxyacids	Chlorophenoxy	Kills broad-leafed	Herbicides
	compounds	plants	

©Examrace. Report ©violations @https://tips.fbi.gov/

Heavy Metals

Elements	Highly toxic state	Disease
Lead (Pb)	Organic form	kidney and brain damage
Mercury (Hg)	Methyl mercury	Minamata disease
Chromium (Cr)	Cr(VI)	dermatitis and painless skin ulcers
Cadmium (Cd)		Itai-itai disease

©Examrace. Report ©violations @https://tips.fbi.gov/

Metalloids

Element	Toxic Form	Disease
Arsenic (As)	As ⁺³ or arsenite	Arsenicosis or Black-foodisease
Selenium (Se)	H_2Se	Kashin-beck disease

 $@Examrace. \, Report \, @violations \, \, @https://tips.fbi.gov/$

Multiple Choice Questions

- 1. Fungicides are used to kill
- 1. Weeds
- 2. Insects
- 3. Moulds
- 4. All of the above

Answer: a

- 2. Itai-itai disease is caused by
- 1. Chromium
- 2. Cadmium

3. Zinc
4. Mercury
Answer: b
3. Which form of Arsenic is very toxic?
1. As (III)
2. As (V)
3. As (VI)
4. As (IV)
Answer: a
4. Carbaryl is a
1. Carbamate
2. Organochlorine
3. Phenoxyacid
4. Organophosphate
Answer: a
#Toxic Chemicals
#UGC NTA NET
#Pesticides
#Their classification and effects
#Biochemical aspects of heavy metals
#Hg,
#Cd,
#Pb,
#Cr
#metalloids
#As, #Se

🗷 Mayank

Developed by: Mindsprite Solutions