

## STUDY POINTS

# Assessment and Population Health

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*MyToxCert study points can be used to focus areas of study and preparation. The study point does not contain specific information that would lead you to the diagnosis or correct answer but would instead direct you to learning and reference materials.*

### **Exposure assessment**

- Components of wildfire smoke and human morbidity
- Sources of microplastics
- Acid Rain
- Criteria air pollutants
- Acid rain
- Criteria air pollutants
- Assessment of chronic exposure
- Assessment of low level exposures
- Concepts and definitions of PEL, REL, TLV, and BEI
- Components of a risk assessment

### **Cellular asphyxiant gases**

- Carbon monoxide alarms
- Characteristics of cellular asphyxiants
- Commercial air cleaners

### **Irritant gases**

- Phosgene
- Hydrogen sulfide
- Ocular injury

### **Metals / metalloids**

- Industrial/occupational metals/metalloids
- Metal fume fever
- Cadmium toxicity
- Arthroprosthetic cobaltism
- Mercury toxicity
- Assessment of chronic metal exposure

### **Lead**

- Management of elevated lead concentrations
- Guidelines for elevated lead concentrations
- Signs and symptoms of lead intoxication
- Presentations of lead intoxication
- Occupational monitoring of employees that are at risk of lead toxicity
- Treatment of lead exposure and toxicity

### **Caustics & hydrofluoric acid**

- Caustic acid and alkali
- Hydrofluoric acid toxicity

### **Hydrocarbons**

- Hydrocarbon toxicity
- Carcinogenic hydrocarbons
- Hydrocarbons that cause peripheral neuropathy
- Toluene toxicity
- Management of hydrocarbon aspiration

### **Insecticides and pesticides**

- Delayed toxicity from organophosphates
- Pharmacology of muscarinic antagonists
- Symptoms of pesticide poisoning

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