

## TCFP FIRE INVESTIGATOR 2023/ 2024 EXAM| QUESTIONS AND VERIFIED ANSWERS| ALREADY GRADED A

**Q:** What are the fundamental issues of a death investigation?

**Answer:**

Remains / Victim identification  
Cause of death  
Manner of death  
Victim activity  
Postmortem changes

**Q:** What are the main motives for firesetting?

**Answer:**

Vandalism  
Excitement  
Revenge  
Crime concealment  
Profit  
Extremism

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**Q:** What is vandalism firesetting?

**Answer:**

Willfull and malicious mischief - often pressured by groups or peers

**Q:** What is excitement firesetting?

**Answer:**

Thrill seeking  
Attention seeking

Recognition  
Sexual gratification

**Q:** What is revenge firesetting?

**Answer:**

Personal retaliation  
Societal retaliation  
Institutional retaliation (school, church, etc)  
Group retaliation

**Q:** What is crime concealment firesetting?

**Answer:**

Murder concealment  
Burglary concealment  
Destruction of documents

**Q:** What is extremism firesetting?

**Answer:**

Terrorism  
Riots or civil disturbance

**Q:** What are some things to examine in multiple confirmed incendiary fires?

**Answer:**

Geographic area  
Temporal frequency (time)  
Materials & Method of firesetting

**Q:** What are some indicators of incendiary fires?

**Answer:**

Evidence of other crimes (crime concealment)  
Indicators of financial stress  
History of code violations  
Owner with multiple fires  
Over insurance  
Timed opportunity (civil unrest, natural disaster)

**Q:** Other indicators that a fire is incendiary:

**Answer:**

Remote locations  
Fire near service equipment / appliances  
Removal or replacement of contents prior to fire  
Entry blocked  
Sabotage of fire protection systems  
Multiple Fires  
Trailers  
Lack of fuel load / ignition sources  
Exotic accelerants  
Unusual fuel load  
burn injuries  
Incendiary devices

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**Q:** What is the difference between low order and high order explosions?

**Answer:**

Low order = less than the speed of sound, pushing / bulging damage, slow pressure rise

High order = faster than the speed of sound, breaking / shattering, long range missiles, rapid pressure rise

**Q:** What is a seated explosion?

**Answer:**

Seated explosions have a blast crater in the center of the explosion. Generally caused by high explosives like TNT, PETN, RDX, ANFO.