

Three Primary Products of an Explosive

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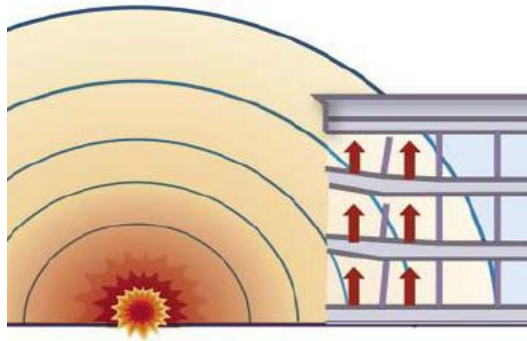
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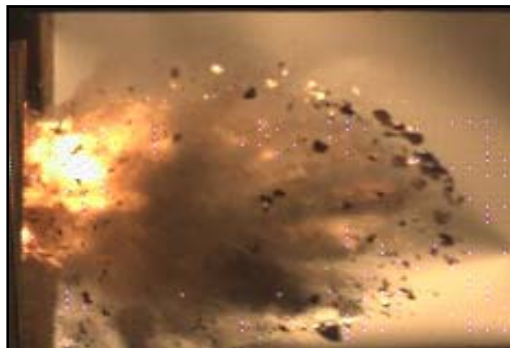
This presentation focuses on the three primary products of a detonation event



Fireball



Blast

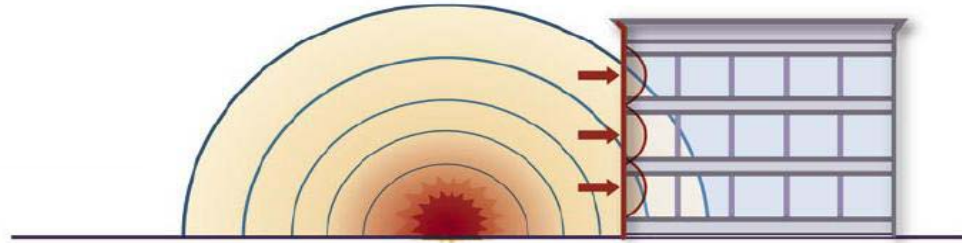


Fragmentation

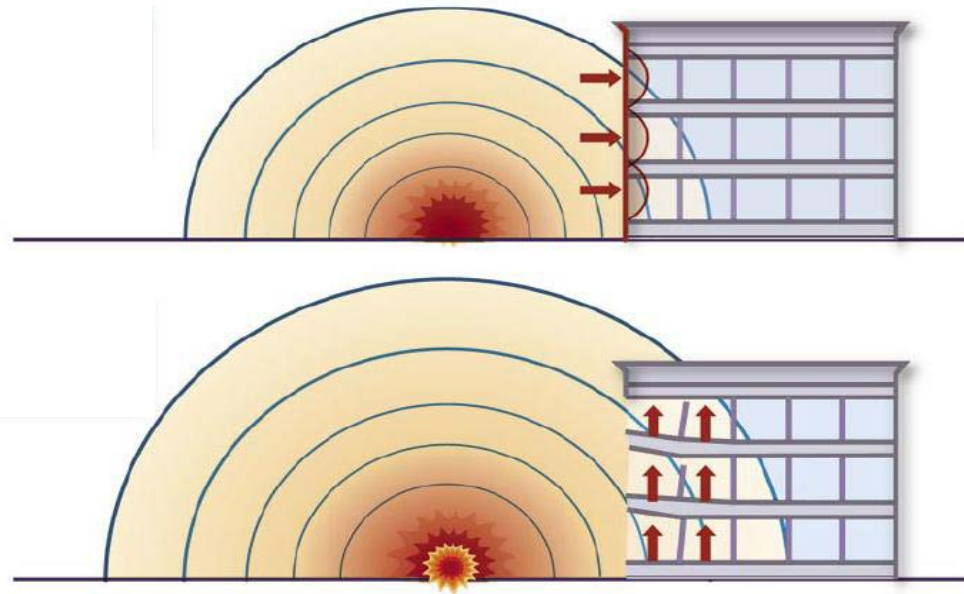
Close to the point of detonation, burning explosive material will ignite combustibles



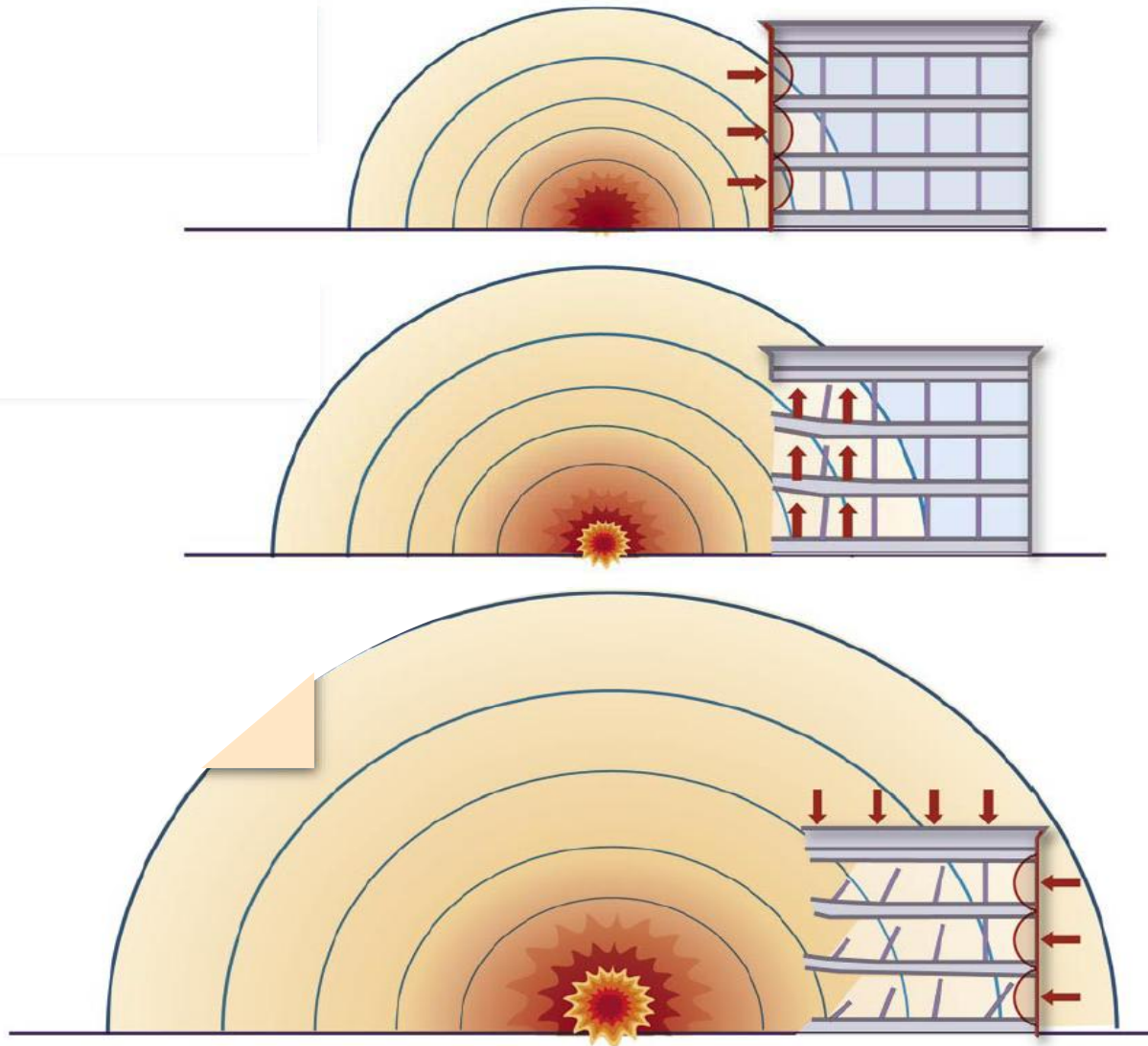
Blast is the primary cause of damage to structures, including the human body



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Fragments quickly outpace the blast wave, and become the primary hazard to personnel



In summary, we have seen that explosions can cause severe damage to personnel and structures



Fireball is at point of detonation

Blast is primary hazard close to detonation

Flying fragments and debris are hazards farther away