Global Energy Policy Research | GEPR

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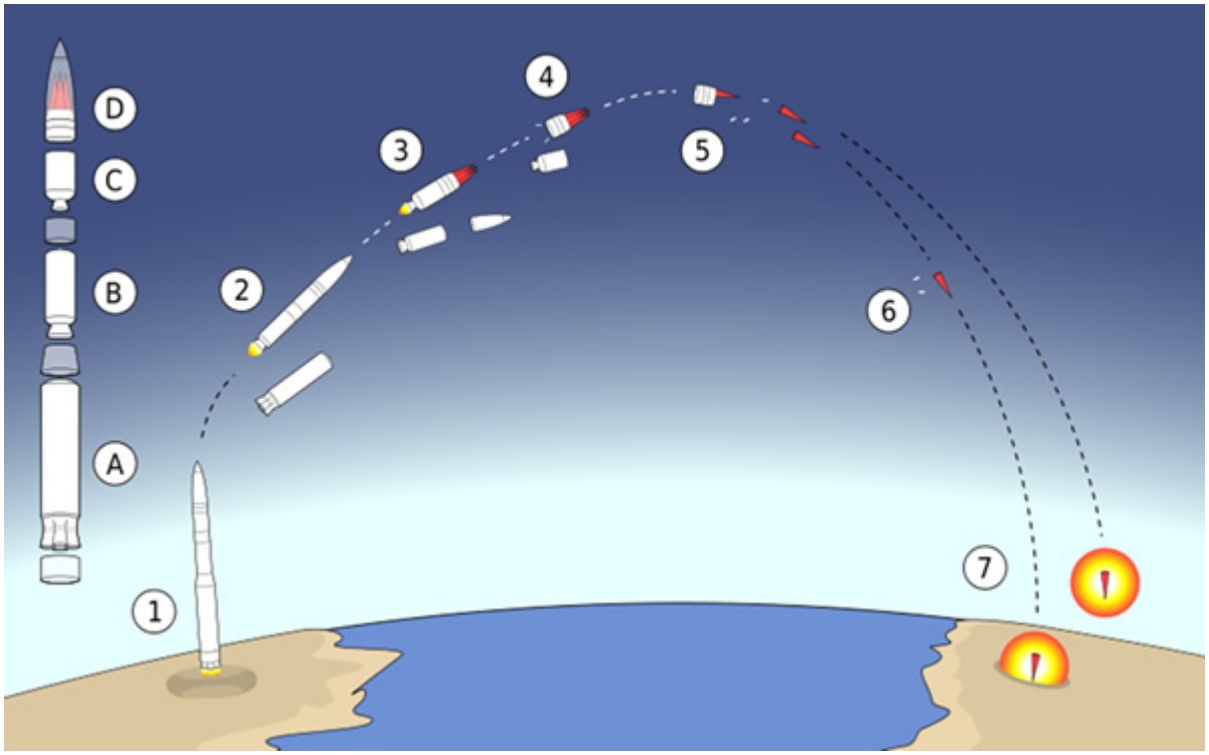
?? ?? · Monday, April 25th, 2016

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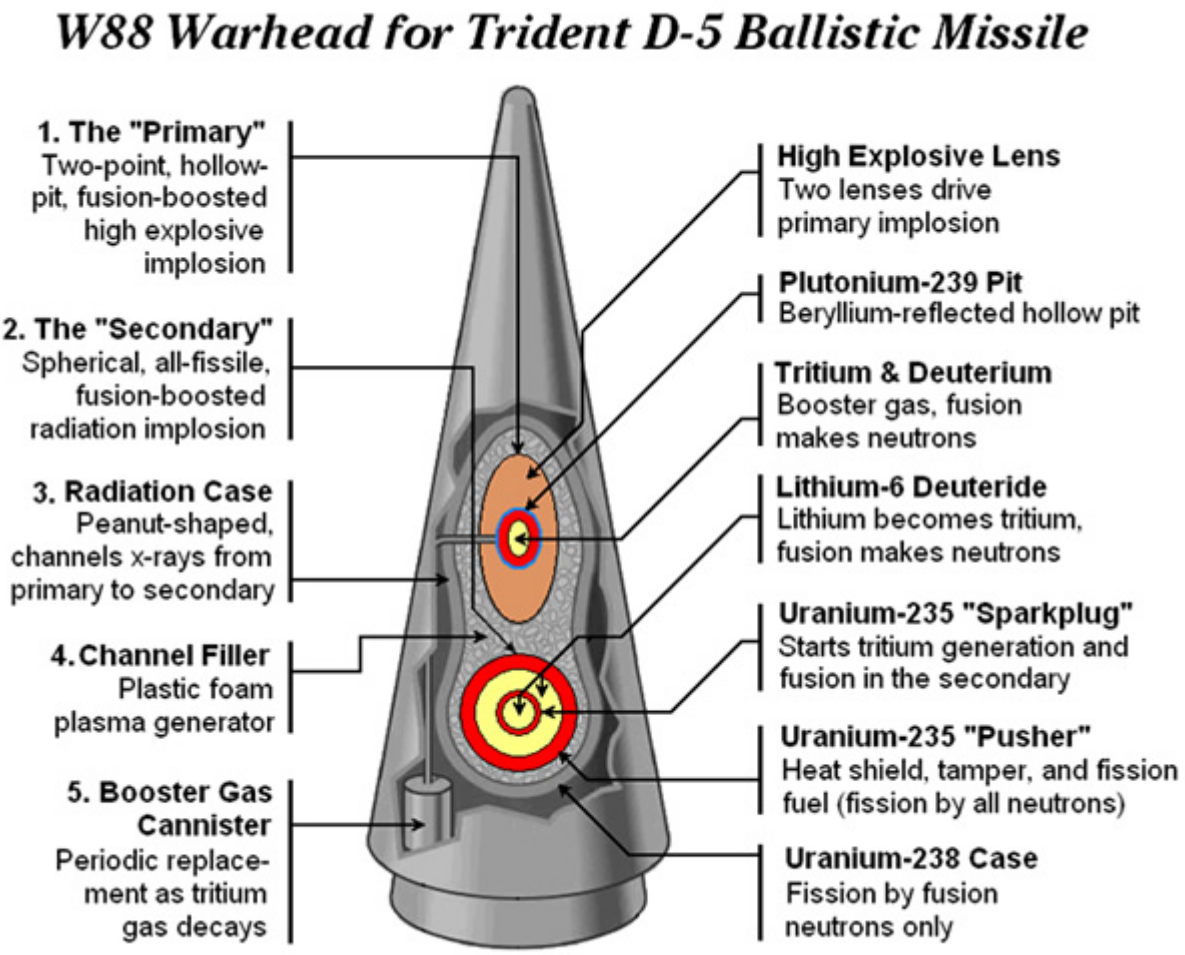
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??3??????????????????



??4????(W88)??????


W88 Warhead for Trident D-5 Ballistic Missile
1. The "Primary"
Two-point, hollow-pit, fusion-boosted high explosive implosion
2. The "Secondary"
Spherical, all-fissile, fusion-boosted radiation implosion
3. Radiation Case
Peanut-shaped, channels x-rays from primary to secondary
4. Channel Filler
Plastic foam plasma generator
5. Booster Gas Cannister
Periodic replace-ment as tritium gas decays
High Explosive Lens
Two lenses drive primary implosion
Plutonium-239 Pit
Beryllium-reflected hollow pit
Tritium & Deuterium
Booster gas, fusion makes neutrons
Lithium-6 Deuteride
Lithium becomes tritium, fusion makes neutrons
Uranium-235 "Sparkplug"
Starts tritium generation and fusion in the secondary
Uranium-235 "Pusher"
Heat shield, tamper, and fission fuel (fission by all neutrons)
Uranium-238 Case
Fission by fusion neutrons only

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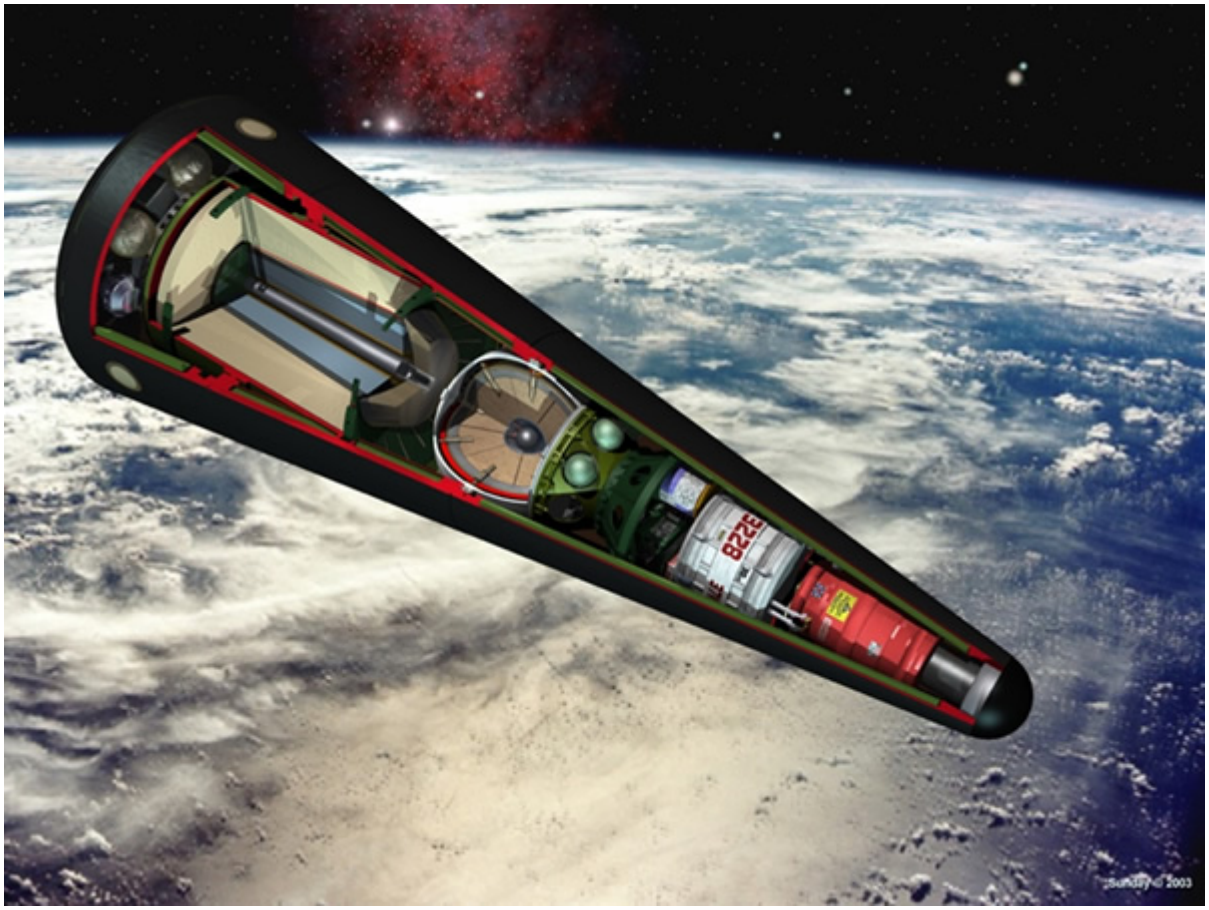
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1957??(?)????????????????????????????(1989-1991
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?2016?4?25????

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