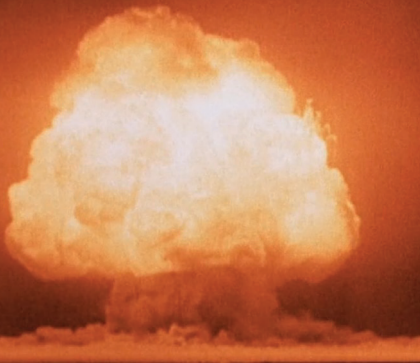


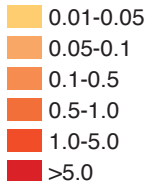
# Trinity: World's first nuclear test

Trinity was the code name of the first detonation of a nuclear weapon, conducted by the U.S. Army in New Mexico on July 16, 1945

*Colourised photo of mushroom cloud from Trinity nuclear test*



Radiation level (roentgens)



*Trinity device*

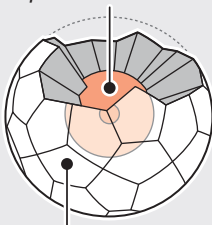


*Trinity test involved implosion-type plutonium device, nicknamed "The Gadget", assembled on top of 30m-high tower (above)*

## Bomb design

Conventional explosives around core detonate at same time to compress plutonium into critical mass, triggering chain reaction and nuclear blast

*Sphere with plutonium core*



*Explosive blocks*



**Test site:** Explosion produced heat 10,000 times greater than surface of sun and spread fallout across U.S.

*"Now I am become Death, the destroyer of worlds" – words from Hindu scripture recalled by nuclear scientist **J. Robert Oppenheimer** after witnessing test*

