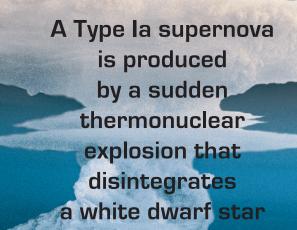


SUPERNOVA

Every 50 years or so, a massive star in our galaxy blows itself apart in a supernova explosion



Supernovas are one of the most violent events in the Universe, and the force of the explosion generates a blinding flash of radiation, as well as shock waves analogous to

SONIC BOOMS

Core-collapsing supernovas produce a brilliant visual outburst that can be as intense as the light of several billion Suns

Tycho's supernova, observed in 1572, was so bright that it was visible during the day

Supernovas are the primary means for seeding the galaxy with many elements such as carbon, nitrogen, oxygen, silicon and iron that are necessary for

Chandra's image of the Crab Nebula reveals rings and jets of high-energy particles that appear to have been flung outward over great distances from the neutron star

The diameter of the inner ring is about 1000 times the diameter of our solar system

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