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Chernobyl, officially called Chornobyl, is a partially abandoned city in Vyshhorod Raion, Kyiv Oblast, Ukraine. It is located within the Chernobyl Exclusion Zone, 90 kilometres (60 mi) to the north of Kyiv and 160 kilometres (100 mi) to the southwest of Gomel in neighbouring Belarus. Prior to being evacuated in the aftermath of the Chernobyl disaster in 1986, it was home to approximately 14,000 residents—considerably less than adjacent Pripyat, which was completely abandoned following the incident. Since then, although living anywhere within the Chernobyl Exclusion Zone is technically illegal, Ukrainian authorities have tolerated those who have taken up living in some of the city's less irradiated areas; Chernobyl's 2020 population estimate was 150 people.

First mentioned as a ducal hunting...

Chernobyl disaster

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On 26 April 1986, the no. 4 reactor of the Chernobyl Nuclear Power Plant, located near Pripyat, Ukrainian SSR, Soviet Union (now Ukraine), exploded. With dozens of direct casualties, it is one of only two nuclear energy accidents rated at the maximum severity on the International Nuclear Event Scale, the other being the 2011 Fukushima nuclear accident. The response involved more than 500,000 personnel and cost an estimated 18 billion rubles (about \$84.5 billion USD in 2025). It remains the worst nuclear disaster and the most expensive disaster in history, with an estimated cost of

US\$700 billion.

The disaster occurred while running a test to simulate cooling the reactor during an accident in blackout conditions. The operators carried out the test despite an accidental drop in reactor power...

Effects of the Chernobyl disaster

The Chernobyl disaster of 26 April 1986 triggered the release of radioactive contamination into the atmosphere in the form of both particulate and gaseous

The Chernobyl disaster of 26 April 1986 triggered the release of radioactive contamination into the atmosphere in the form of both particulate and gaseous radioisotopes. As of 2024, it remains the world's largest known release of radioactivity into the natural environment.

The work of the Scientific Committee on Problems of the Environment (SCOPE) suggests that the Chernobyl disaster cannot be directly compared to atmospheric tests of nuclear weapons by simply saying that it is better or worse. This is partly because the isotopes released at the Chernobyl Nuclear Power Plant tended to be longer-lived than those released by the detonation of atomic bombs.

It is estimated that the Chernobyl disaster caused US\$235 billion in economic damages.

Chernobyl (miniseries)

Chernobyl is a 2019 historical drama television miniseries that revolves around the Chernobyl disaster of 1986 and the cleanup efforts that followed.

Chernobyl is a 2019 historical drama television miniseries that revolves around the Chernobyl disaster of 1986 and the cleanup efforts that followed. The series was created and written by Craig Mazin and directed by Johan Renck. It features an ensemble cast led by Jared Harris, Stellan Skarsgård, Emily Watson, and Paul Ritter. The series was produced by HBO in the United States and Sky UK in the United Kingdom.

The five-part series premiered simultaneously in the United States on May 6, 2019, and in the United Kingdom on May 7. It received widespread critical acclaim for its performances, historical accuracy, atmosphere, tone, screenplay, cinematography, and musical score. At the 71st Primetime Emmy Awards, it received nineteen nominations and won for Outstanding Limited Series, Outstanding...

Capture of Chernobyl

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During the Russian invasion of Ukraine, the Chernobyl Exclusion Zone was captured on 24 February 2022, the first day of the invasion, by the Russian Armed Forces, who entered Ukrainian territory from neighbouring Belarus and seized the entire area of the Chernobyl Nuclear Power Plant by the end of that day. On 7 March, it was reported that around 300 people (100 workers and 200 security guards for the plant) were trapped and had been unable to leave the power plant since its capture. On 31 March, it was reported that most of the Russian troops occupying the area had withdrawn, as the Russian military abandoned the Kyiv offensive to focus on operations in Eastern Ukraine.

Chernobyl exclusion zone

The Chernobyl Nuclear Power Plant Zone of Alienation, also called the 30-Kilometre Zone or simply The Zone, was established shortly after the 1986 Chernobyl

The Chernobyl Nuclear Power Plant Zone of Alienation, also called the 30-Kilometre Zone or simply The Zone, was established shortly after the 1986 Chernobyl disaster in the Ukrainian SSR of the Soviet Union.

Initially, Soviet authorities declared an exclusion zone spanning a 30-kilometre (19 mi) radius around the Chernobyl Nuclear Power Plant, designating the area for evacuations and placing it under military control. Its borders have since been altered to cover a larger area of Ukraine: it includes the northernmost part of Vyshhorod Raion in Kyiv Oblast, and also adjoins the Polesie State Radioecological Reserve in neighbouring Belarus. The Chernobyl exclusion zone is managed by an agency of the State Emergency Service of Ukraine, while the power plant and its sarcophagus and the New Safe...

Chernobyl liquidators

Chernobyl liquidators were the civil and military personnel who were called upon to deal with the consequences of the 1986 Chernobyl nuclear disaster in

Chernobyl liquidators were the civil and military personnel who were called upon to deal with the consequences of the 1986 Chernobyl nuclear disaster in the Soviet Union on the site of the event. The liquidators are widely credited with limiting both the immediate and long-term damage from the disaster.

Surviving liquidators are qualified for significant social benefits due to their veteran status. Many liquidators were praised as heroes by the Soviet government and the press, while some struggled for years to have their participation officially recognized.

Chernobyl Nuclear Power Plant

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The Chernobyl Nuclear Power Plant (ChNPP) is a nuclear power plant undergoing decommissioning. ChNPP is located near the abandoned city of Pripyat in northern Ukraine, 16.5 kilometres (10 mi) northwest of the city of Chernobyl, 16 kilometres (10 mi) from the Belarus–Ukraine border, and about 100 kilometres (62 mi) north of Kyiv. The plant was cooled by an engineered pond, fed by the Pripyat River about 5 kilometres (3 mi) northwest from its juncture with the Dnieper River.

Originally named the Chernobyl Nuclear Power Plant of V. I. Lenin after the founding leader of the Soviet Union, the plant was commissioned in phases with the four reactors entering commercial operation between 1978 and 1984. In 1986, in what became known as the Chernobyl disaster, reactor No. 4 suffered a catastrophic explosion...

Deaths due to the Chernobyl disaster

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The Chernobyl disaster, considered the worst nuclear disaster in history, occurred on 26 April 1986 at the Chernobyl Nuclear Power Plant in the Ukrainian Soviet Socialist Republic, then part of the Soviet Union, now in Ukraine. From 1986 onward, the total death toll of the disaster has lacked consensus; as peer-reviewed medical journal *The Lancet* and other sources have noted, it remains contested. There is consensus that a total of approximately 30 people died from immediate blast trauma and acute radiation syndrome (ARS) in the seconds to months after the disaster respectively, with 60 in total in the decades since, inclusive of later radiation induced cancer. However, there is considerable debate concerning the accurate number of projected deaths that have yet to occur due to the disaster...

Cultural impact of the Chernobyl disaster

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The Chernobyl disaster, when Reactor No. 4 of the Chernobyl Nuclear Power Plant exploded on 26 April 1986, is the worst nuclear disaster and the costliest disaster to have occurred in human history. The effects of the Chernobyl disaster, brought about by the radioactive contamination that chiefly spread throughout the Soviet Union and virtually all of Europe, have had a significant impact on millions of people (in addition to direct and indirect deaths) and the environment, consequently serving as one of the greatest motivators for the anti-nuclear movement. Accordingly, both the incident itself and the aftermath have since been a prominent focus in the study and implementation of nuclear power around the world, and have also featured in numerous works of popular culture; film, literature,...

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