



Clue:

It is considered the worst manmade nuclear disaster in the history of humanity. Its name is ...

The Chernobyl Disaster

It is almost 30 years to the day since Chernobyl became synonymous with nuclear disaster.

The Chernobyl disaster was a catastrophic nuclear accident that occurred on 26 April 1986 at Chernobyl Nuclear Power Plant in the town of Pripyat, in Ukraine.



The Chernobyl Reactor After The Explosion

At that time there was an experiment on reactor #4 that had gone wrong and caused its terrible explosion.



The first who had confronted with terrifying consequences of the accident were operators of a shift and firefighters.

It took 10 days to put out the fire after explosion.



Then 600,000-800,000 firefighters and emergency workers came from all over the former Soviet Union for help. These people toiled for over two years to bury radioactive equipment, homes, storage facilities, etc.





They also built a temporary steel concrete cover, called "sarcophagus", around the plant to hem in the radioactive material that had collapsed into the reactor.

The accident released radiation 200 times greater than that released by both atomic bombs dropped on Hiroshima and Nagasaki during World War II, and nearly 14 times greater than disaster at the Fukushima plant in Japan.



Over 100 radioactive elements released during the explosion. The fallout from Chernobyl reached as far as Canada and the United States.

But the most heavily affected areas were in Ukraine, Belarus, and Russia.

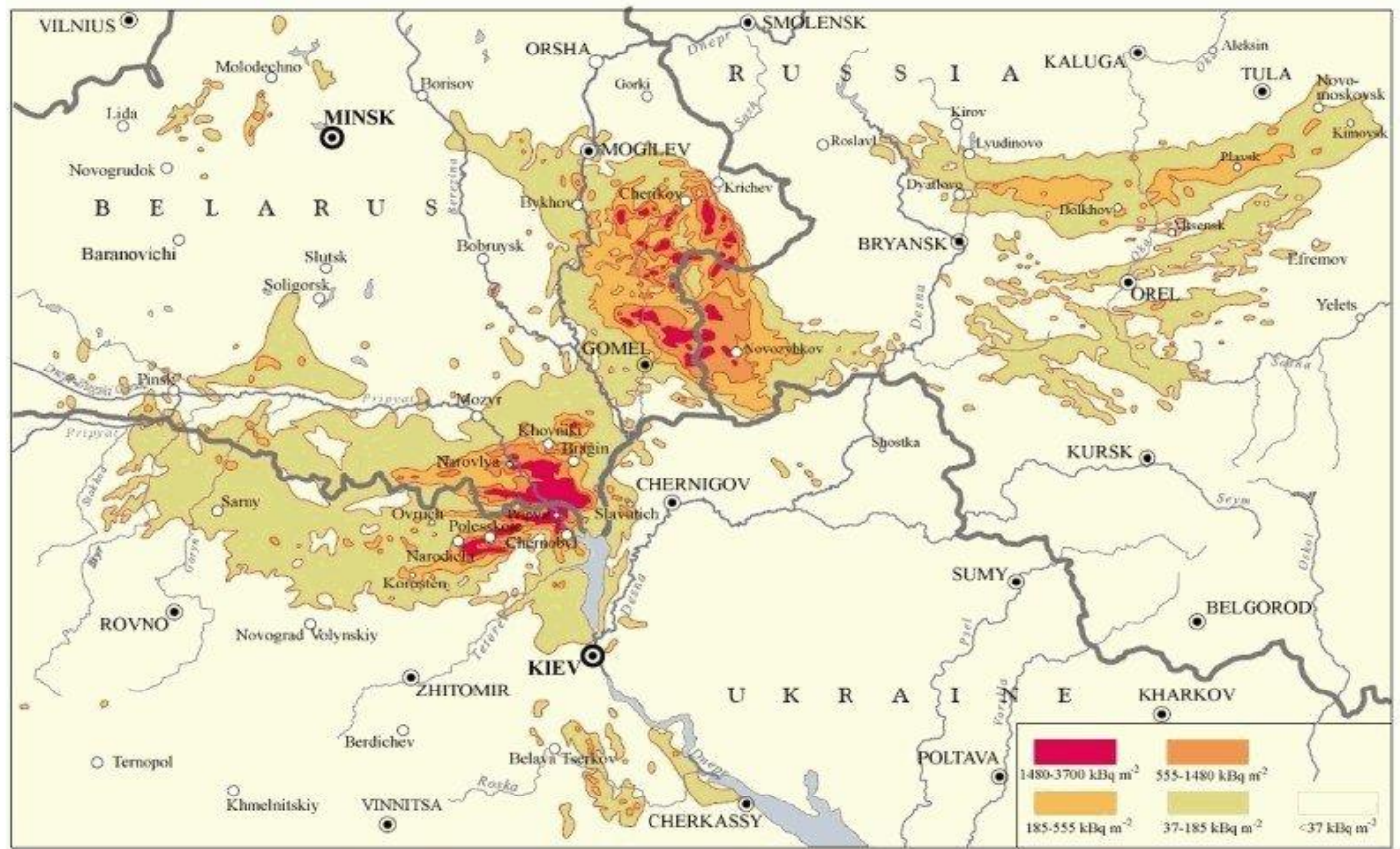


Figure VI. Surface ground deposition of caesium-137 released in the Chernobyl accident [11, 13].



Hundreds of villages became too dangerous to live in.

Most of their citizens were evacuated in 24 hours after explosion.

Over 336,000 people have been relocated, uprooted from their homes, due to high levels of radiation.

200 tones of radioactive material is still inside the reactor and the whole world is trying to find out the solution what to do with it.





Construction of the New Safe Confinement (NSC) structure at the site of the Chernobyl nuclear reactor, Ukraine, on March 23, 2016

The new sarcophagus is still not in place. The project is due to be completed in 2017.

We should remember them

According to the information of the Soviet government the official number of casualties caused by the accident was 31. But exact number of victims can never be known!





In December 15, 2000 the Chernobyl Plant was fully closed. But nobody knows exactly what's happening under the sarcophagus and how solid the construction is. One thing that's clear is that it needs constant monitoring and regular inspection.



Let's see what you know about the
Chernobyl disaster!

Fulfill the following quiz:

Quiz about Chernobyl Accident