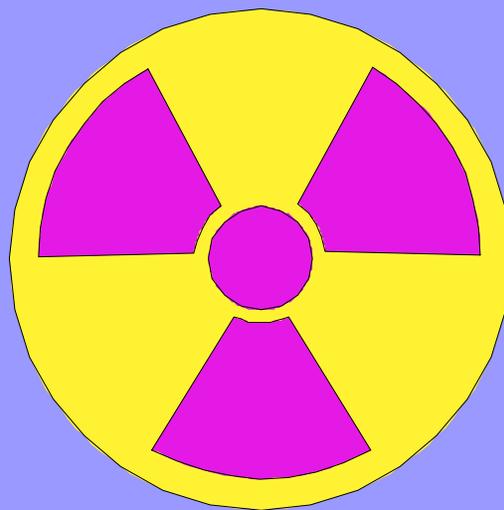
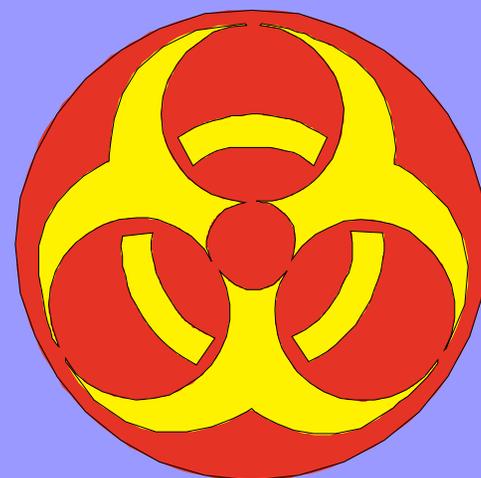




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# Objectives

By the end of this presentation you should be able to:

- Be aware of the threat of CBRNE Terrorism
- Understand the definition of CBRNE
- Be able to describe each element of CBRNE
- Have an overview of the risks relating to CBRNE terrorism



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# Is there a terrorist threat?

September 28, 2006

## Iraq Al-Qaeda Leader Recruiting Scientists For Unconventional Weapons, 'Whether Biological Or Dirty'

Topics: [Iraq](#)

In what amounts to sobering reenforcement of [Fouad Ajami's comments](#) in his Opinion Journal piece today, in which he said that should "we pull up stakes from Baghdad - a terrible price would be paid for a hasty and unseemly withdrawal," we need only look to excerpts of [comments by Abu Ayyub al-Masri](#) - the leader of al-Qaida in Iraq, on an al-Qaeda website today:



[...] In a new audio message Thursday, the leader of al-Qaida in Iraq **called for explosives experts and nuclear scientists** to join his group's holy war against the West.

The speaker said "the field of jihad" could provide scientists with an avenue for experimentation.

"We are in dire need of you," he said. "The field of jihad (holy war) can satisfy your scientific ambitions, and the large American bases (in Iraq) are good places to test your **unconventional weapons, whether biological or dirty**, as they call them."



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# What are CBRNE Materials?

- Chemical
  - Chemicals are toxic manmade compounds including those designed for warfare use or industrial use
- Biological
  - Biological agents are living organisms and toxins (poisons).
- Radiological
  - Radioactive materials may be either naturally occurring or man-made.
- Nuclear
- Explosives



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# Chemical Terrorism

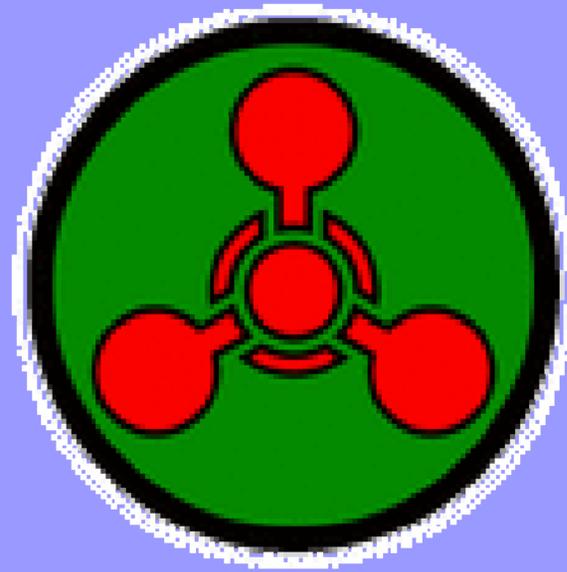
Use of a toxic chemical, its precursors, a device containing the toxic chemical, or the equipment designed for use with the device, in order to commit a terrorist act.



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# Biological Terrorism

Use of a biological agent such as a virus, bacteria or toxin, in order to commit a terrorist act.



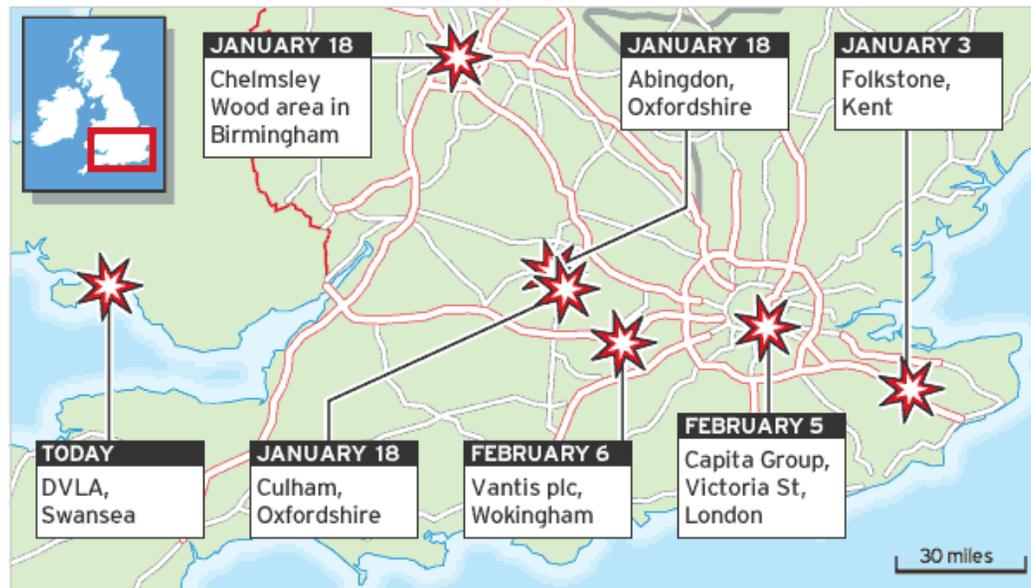
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LETTER BOMB BLAST LOCATIONS





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# Radiological Terrorism

Use of a Radiological source or other radiological materials, in order to commit a terrorist act.



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# Nuclear terrorism

Use of nuclear weapons against a civilian target. This could include an attack against a nuclear power plant



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# Explosives

Use of commercially available or home made explosives, in order to commit a terrorist act.



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# CBRN Threat Spectrum

## -Likelihood Versus Impact-



Likelihood (Threat)



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# CBRN Risks

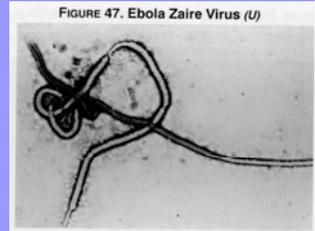
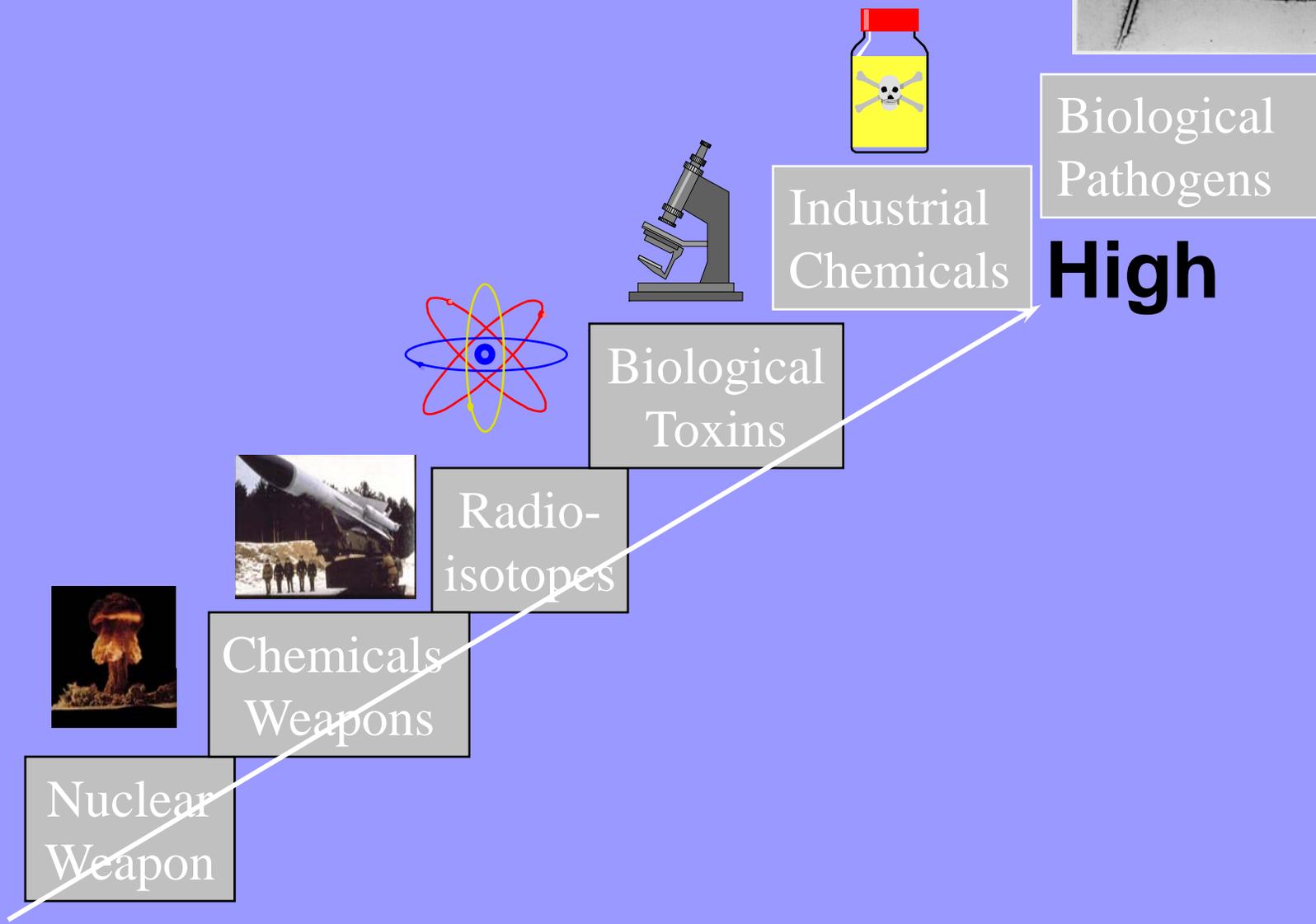


FIGURE 47. Ebola Zaire Virus (U)



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