

Physics 11 Nuclear Physics

Weapons of Mass Disruption

Scientific American November 2002

- Also read the story on the stolen radioactive material that was found in a farmers field, this is Canadian story!

Complete the following on a separate page in complete sentences.

1. How hard is a dirty bomb to build compared to a nuclear bomb?
2. Why is the dirty bomb called a weapon of "*mass disruption*"?
3. How hard is it to obtain radioactive material for a dirty bomb?
4. How many radioactive sources are missing in the us alone?
5. What health risks do increased radiation exposure create?
6. How difficult is it to clean up after a dirty bomb? Why?
7. What can be done to reduce the risk of radioactive sources falling into the wrong hands?
8. What should you do if a dirty bomb goes off near where you are?
9. Why are governments more afraid of the dirty bombs than they were 10 years ago?

Physics 11

"Farmer Solves" Article

Answer on separate page in complete sentences.

1. In a short paragraph discuss how this article is connected to the Mass Disruption article and why Canadians should be aware of radioactive thefts in Canada.