

WS 5.10 Student Presentations

Chernobyl Accident

- 1) What caused the accident?
- 2) What was done to clean up afterwards?
- 3) What was the environmental impact on the accident?
- 4) Is it possible that something like that could happen in the US?
- 5) People who live near Chernobyl have dosimeters in their homes. What is a dosimeter?

Three-Mile Island Accident

- 1) What caused the accident?
- 2) What was done to clean up afterwards?
- 3) Was there any environmental damage from the incident?
- 4) Has the accident increased the amount of background radiation in that area?

Hiroshima Bombing

- 1) What type of bomb was dropped on Hiroshima?
- 2) How destructful was the bomb?
- 3) What were the long term effects of the bombing?

Radiological Technology

- 1) What does MRI stand for & why would they be used?

- 2) What does CAT scan (or CT scan) stand for & why would they be used?

- 3) What does PET stand for & why would it be used?

Radon Poisoning

- 1) What does radon decay into? (What are the daughter particles?)

- 2) What is the half-life of Rn-222? _____ What does such as short half-life mean in terms of its danger in the home?

- 3) What parts of the US are especially susceptible to radon poisoning? Why these areas?

- 4) Why are people living in newer, energy-efficient homes at more of a risk than others? And what can be done to decrease their risk factor?