

EXERCISE:

Come up with 10 FACTS mentioned in this video.





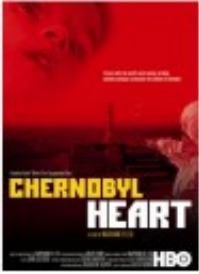
Fukushima (March 2011)

- need 1 million gallons of water to cool
- earthquake (9) & Tsunami caused power failure on reactors 1, 2, 3, 4
 - potential to melt down
- radioactive water into Pacific
- Hydrogen explosions
- radiation lasts too long... widespread
- mutations, cancer, pregnant → babies

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Chernobyl Heart

 Environment  74 Comments



On April 26, 1986, the worst nuclear accident in history occurred when a reactor exploded at the Chernobyl nuclear power plant in Ukraine, releasing 90 times the radioactivity of the atomic bombs dropped on Hiroshima and Nagasaki. Sixteen years later, award-winning filmmaker Maryann De Leo took her camera to ground zero, following the devastating trail radiation leaves behind in hospitals, orphanages, mental asylums and evacuated villages. The Academy Award®-winning documentary short debuts immediately after the America Undercover special “Indian Point: Imagining the Unimaginable”.

Saving Species One at a Time

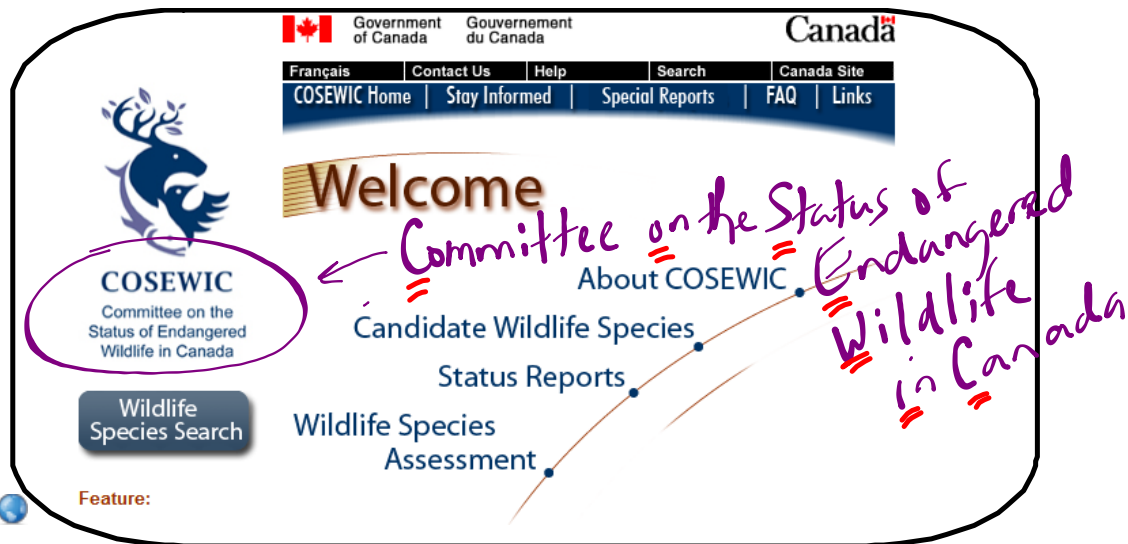
- Captive-breeding programs
 - Hope of reintroducing such species back into the wild
 - Ex. condors
 - Preserving genetic material
 - Germ plasm is any form of genetic material
 - Used for future use in research and species-recovery efforts
 - Zoos, aquariums, parks and gardens
 - Typically, a last resort for a species' survival
- More study needed

Preserving Habitats and Ecosystems

- The most effective way to save a species
- More species can be targeted in conservation efforts
- Focus on hotspots and those areas that are linked to larger networks

Legal Protection for Species

- Such laws protecting species are recent
- Endangered Species Act
- Habitat conservation plans attempts to target certain species across large areas of land through trade-offs and cooperative agreements
- International agreements happen through the IUCN (International Union for the Conservation of Nature)
 - Red lists
 - CITES (Convention on the International Trade in Endangered Species)
 - The Biodiversity Treaty from the Earth Summit



Species at Risk Levels...

- vulnerable
- threatened
- endangered
- extirpated
- extinct