

Case Study name:	Chernobyl	Section of specification:	Option D - Hazards and Disasters
Location:	<u>City/Region:</u> Chernobyl	<u>Country:</u> Ukraine	<u>Continent:</u> Europe
What: Explosion of Chernobyl's nuclear reactor and consequent transboundary radiation pollution	When: 1986	Causes/Theory: - Construction mistakes and human error - Reactor built in a populated region	
Facts and Figures - 300,000 resettled - 500km maximum fallout radius - 200% increase in birth defects in affected regions	Economic Effects: Increased poverty: - Unemployment - Resettlement - Agricultural sector hit due to contaminated soil	Environmental Effects: - Radiation harmed wildlife and contaminated soil for decades	Social Effects: - Relocation of people - Radiation-linked diseases and long-term health effects
Political Effects: Political pressure for transparency			
Solutions: Security tests and trained professionals		Possible Exam Question:	Critically analyse the attempts to control the effects and spread of a major international pollution event that you have studied [10]