

Teacher Page: Case Study- Chernobyl: The World's Worst Nuclear Power Plant Accident (p. 312-313)

Unit: Unit 7

Grade Level Indicator:

Description:

Time: 25 minutes

Materials: Book page 312-313

Procedure:

Warm-up:

Instructional Strategies:

Assessment: Grade question, student participation

Variations: Do questions orally with teacher led instruction,

Interdisciplinary Connection:

Sample Data/ Answers: The answer key follows the student page.

Name _____ Date _____ Period _____

**Case Study- Chernobyl: The World's Worst Nuclear
Power Plant Accident** *(p. 312-313)*

1. What happened on April 26th, 1986? _____

2. Where did the radioactive cloud that was released travel to? _____

3. What 2 things caused the Chernobyl disaster?

1. _____

2. _____

4. What is the range for long-term deaths caused by the accident? _____

5. What are some diseases that have had an effect on the long term health of people in the area of the meltdown? _____

6. What lesson did we learn from Chernobyl? _____

Critical Thinking: Why do you think we continue to use nuclear power knowing the potential risks? _____

Key

1. Two simultaneous explosions in one of the reactors in a nuclear power plant in Ukraine blew the massive roof off a reactor building.
2. Belarus, Russia, Ukraine, Europe, and eventually the entire planet
3.
 1. Poor reactor design
 2. Human Error
4. 9,000-212,000 people
5. Cancer, depression, thyroid cancer, leukemia, and immune system abnormalities
6. A major nuclear accident anywhere has an effect that reverberate throughout much of the world.

Critical Thinking: Answers will vary