

AVID Summer Homework

Name: _____

Bomb: The Race to Build-and Steal-the World's Most Dangerous Weapon.

Vocabulary. Define the following terms and give an example of how it is used in the book.

1. Physics
2. Radioactive
3. Espionage
4. Saboteur
5. Camouflage
6. Uranium
7. Plutonium
8. Disinformation
9. Neutrons
10. Heavy Water

Questions. Answer the following questions using complete sentences.

1. In the chapter entitled "Tradecraft," Harry Gold is recruited by the Soviet Union. Describe how they recruited him and why he was a good target.

2. Who was Robert Oppenheimer and why did the United States government suspect he was a communist spy?

3. How did Knut Haukelid feel about Nazi sympathizers and what did he do to resist Nazi occupation?
4. Describe the 1942 meeting between President Roosevelt and Prime Minister Churchill. What did they discuss?
5. Who was Leslie Groves and what was his role in the development of the atomic bomb?
6. What was the "International Gangster School?" Who was trained there and what was their objective?
7. Who was able to create the first *chain reaction* and where was it done? (What is a *chain reaction*?)
8. What was, "The Gadget?" Describe it's construction and why did it need to be kept secret?
9. How did the saboteurs finally stop the German development of an atomic weapon?

10. Why was Richard Feynman different from other scientists? What special job was he given and what did he find?

11. What was the connection between Harry Gold and Claus Fuchs?

12. Describe how the scientists who were spying for the Soviet Union passed information to their "handlers."

13. Why was meeting Werner Heisenberg so important to the Americans?

14. When did Harry Truman find out about the atomic bomb and why?

15. Describe the Trinity Test. How was it conducted? Who was there? How powerful was the explosion? What was the explosion like?

16. Who delivered the bomb? (Name the pilot and the plane.) How was the target selected?

17. What was the initial reaction of the scientists to the explosion? How did their reactions change and why?

18. What was the Soviet reaction to the U.S. bombing of Japan?

19. Describe the meeting between Oppenheimer and Truman. Why do you think it turned out the way it did?

20. How long did it take the U.S. to figure out who was spying? What did they do?

21. Do you think the U.S. was justified in developing the atomic bomb? Why or why not? Support your answer with factual information.