*Complete the questions while you watch the movie.*

1. On October 4, 1957 what was successfully launched around the earth? What country?

2. How long did one orbit of the earth take for the space craft?

3. What was the major industry in Coalwood?

4. What was Homer’s goal? What happened on his first attempt?

5. Who was the scientist from NASA that Homer communicated with?

6. Who did Homer associate with at the risk of his social life? Who invited rocketry?

7. What was Homer’s reason for pursuing rocketry?

8. Who did Homer go see to in order to weld his rocket parts?

9. What was the means that Homer could reach his dream of getting a science scholarship?

10. Where did the first rocket end up that actually flew? What did Homer’s dad call him?

11. What are the names of the four boys who participated in making the rocket?

12. Where did the first rocket end up that actually flew? What did Homer’s dad call him?

13. What are the chances of kids from Coalwood winning the national science fair? What did they name the launch site at Snakeroot which was 8 miles from town?

14. What was the purpose of mining coal? Why did Homer need cement?

15. What was the chemical used to propel the rockets?

16. Why did Mr. Pikowski go into the deep mines? Who was he concerned with?

17. What did the boys do to make money for the steel they needed for the rocket washers?

18. What new fuel did they need to try that would give better results?

19. Who showed up to witness the first rocket that actually flew?

20. What did Homer receive on his birthday?

21. What teacher encouraged the boys to win the science fair?

22. What were the boys called as they became more successful?

23. How long did the rocket stay in the air?

24. What did Homer receive on his birthday?

25. What happened to the rocket boys after the newspaper reporter interviewed Homer?

26. Although seemingly mean, what kind of man was Homer’s father (what did he stop)?

27. How did most of the kids treat the rocket boys after they were arrested?

28. What happened that changed Homer’s life? Who died?

29. What did Homer decide to do after the accident?

30. Where did the Hickem’s go on their honeymoon?

31. How did Homer feel about Mr. Pikowski’s death? Who did he feel was responsible?

32. Why did Homer’s mom get angry with her husband at the dinner table?

33. What news did Homer’s mom tell him after he and his dad came home from work?

34. What did the townspeople think about why she was gone all the time?

35. Why did Miss Riley apologize to Homer?

36. What did Homer figure out once he started studying again?

37. How long did the rocket fly the day the rocket flew?

38. About how many miles could the rocket have flown based on calculations?

39. What accounted for the rocket not being where they estimated?

40. What equation did Homer use to prove that they did not start the fire?

41. What actually started the fire according to the principal?

42. What was necessary for Homer to attend the science fair?

43. How many boys could the school afford to send to the national science fair? Who went?

44. What did the miners decide to do in the meantime?

45. What happened to Homer’s project after the first day of the science fair?

46. What did Homer’s mom do after Mr. Bolden told her the news of the stolen project?

47. What did all four rocket boys receive after the science fair and what did they do?

48. Write a half page essay:

a. Describing Homer’s struggle throughout the film.

b. State your feeling of Homer’s struggle and any impact it may have on you.

1. On October 4, 1957 what was successfully launched around the earth? What country?

**Sputnik satellite, Russia**

2. How long did one orbit of the earth take for the space craft?

**96 minutes**

3. What was the major industry in Coalwood?

**Coal mining**

4. What was Homer’s goal? What happened on his first attempt?

**To build a rocket; he blew up his fence**

5. Who was the scientist from NASA that Homer communicated with?

**Dr. Warner Von Braun**

6. Who did Homer associate with at the risk of his social life? Who invited rocketry?

**Quentin; Chinese ~1000 AD**

7. What was Homer’s reason for pursuing rocketry?

**There is life outside of Coalwood**

8. Who did Homer go see to in order to weld his rocket parts?

**Ike Pikowsky**

9. What was the means that Homer could reach his dream of getting a science scholarship?

**Science fair**

10. Where did the first rocket end up that actually flew? What did Homer’s dad call him?

**To the mine; Homer’s dad called him a thief**

11. What are the names of the four boys who participated in making the rocket?

**Homer, Quentin, Roy Lee and Odell**

12. Where did the first rocket end up that actually flew? What did Homer’s dad call him?

**To the mine; Homer’s dad called him a thief**

13. What are the chances of kids from Coalwood winning the national science fair? What did they name the launch site at Snakeroot which was 8 miles from town?

**A million to one; Cape Coalwood**

14. What was the purpose of mining coal? Why did Homer need cement?

**To make steel; to make a launch pad**

15. What was the chemical used to propel the rockets?

**Potassium chlorate**

16. Why did Mr. Pikowski go into the deep mines? Who was he concerned with?

**To make more money so he could send money to his family in Poland**

17. What did the boys do to make money for the steel they needed for the rocket washers?

**They took railroad tracks from an abandoned railroad and sold them**

18. What new fuel did they need to try that would give better results?

**100% alcohol**

19. Who showed up to witness the first rocket that actually flew?

**Homer’s brother & teammates, many friends and townspeople**

20. What did Homer receive on his birthday?

**An autographed picture of Warner Von Braun**

21. What teacher encouraged the boys to win the science fair?

**Miss Riley**

22. What were the boys called as they became more successful?

**The “Rocket Boys”**

23. How long did the rocket stay in the air?

**4 seconds**

24. What did Homer receive on his birthday?

**An autographed picture of Warner Von Braun**

25. What happened to the rocket boys after the newspaper reporter interviewed Homer?

**They were arrested for starting a fire**

26. Although seemingly mean, what kind of man was Homer’s father (what did he stop)?

**He stopped Roy Lee’s step dad from beating him up. He was a good man.**

27. How did most of the kids treat the rocket boys after they were arrested?

**Ignored them and made fun of them**

28. What happened that changed Homer’s life? Who died?

**There was an explosion in the mine involving his father. Ike Pikowski.**

29. What did Homer decide to do after the accident?

**He dropped out of school and worked in the mine**

30. Where did the Hickem’s go on their honeymoon?

**Myrtle Beach**

31. How did Homer feel about Mr. Pikowski’s death? Who did he feel was responsible?

**He blamed himself b/c he thought his dad moved him into the mine after Mr. Pikowsky helped the boys**

32. Why did Homer’s mom get angry with her husband at the dinner table?

**Homer refused to go back to school to finish and his dad said nothing.**

33. What news did Homer’s mom tell him after he and his dad came home from work?

**Miss Riley was very sick with Hodgkin’s disease (a form of cancer).**

34. What did the townspeople think about why she was gone all the time?

**Everyone thought she had a boyfriend**

35. Why did Miss Riley apologize to Homer?

**She felt that she did not make a difference in his life**

36. What did Homer figure out once he started studying again?

**They couldn’t have started the fire that they were arrested for**

37. How long did the rocket fly the day the rocket flew?

**14 seconds**

38. About how many miles could the rocket have flown based on calculations?

**1.2 miles**

39. What accounted for the rocket not being where they estimated?

**wind**

40. What equation did Homer use to prove that they did not start the fire?

**s = ½ at2 … a = acceleration due to gravity**

41. What actually started the fire according to the principal?

**An aeronautical flare**

42. What was necessary for Homer to attend the science fair?

**He had to enroll in Big Creek high school again.**

43. How many boys could the school afford to send to the national science fair? Who went?

**One. Homer.**

44. What did the miners decide to do in the meantime?

**Strike**

45. What happened to Homer’s project after the first day of the science fair?

**It was stolen**

46. What did Homer’s mom do after Mr. Bolden told her the news of the stolen project?

**She told her husband that she would leave him if he did not help Homer**

47. What did all four rocket boys receive after the science fair and what did they do?

**College scholarships. They all went to college.**

48. Write a half page essay:

a. Describing Homer’s struggle throughout the film.

b. State your feeling of Homer’s struggle and any impact it may have on you.