MANKIND: THE STORY OF ALL OF US
EPISODE 12: NEW FRONTIERS

THIS WORKSHEET SET INCLUDES, IN ORDER, A 47-QUESTION FILL-IN-THE-BLANK, TRUE OR FALSE, AND SHORT ANSWER WORKSHEET. THE SET ALSO INCLUDES, IN ORDER, AN ANSWER KEY.

EPISODE SUMMARY FROM THE HISTORY CHANNEL: Mankind builds increasingly complex systems, feeding billions of people, reshaping the landscape and re-engineering the human body. Modern food cultivation enables population explosions while uranium enables incredible destruction. Mankind travels to the moon and performs heart transplants. Globally, people continue to struggle for civil rights, equality and peace. 100,000 years ago there were a few thousand hunter-gatherers on the African savannas. Today there are 7 billion of us in every corner of the globe.

Keys Include: Uranium, DNA, Vaccination, Nitrogen, Space Travel

Terms to define: ravage, hybrid, tundra, permafrost, integrated, ballistics, cosmic, apocalyptic, pervade, protest, innovation, pandemic
Mankind: The Story of All of Us
Episode 12: New Frontiers
from The History Channel Series Mankind: The Story of All of Us

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INCREASING FOOD SUPPLY

1. Today, over ____________ billion humans on planet earth. In just four generations, our population has grown by over ________________ billion. Faster in the first ________________ years of the twentieth century than in the previous ________________.
2. What happened to the Midwest in 1935? ____________________________
   ___________________________________________________________________
3. Where do many Midwestern families head? ____________________________
4. What wonder crop does Roswell Garst believe will save the Midwest? ____________________________
5. Why are farmers initially reluctant to buy the seed from Garst? ____________________________
6. Garst gambles everything. He gives farmer the seed for ________________ in return for a share of their ________________. Across fifty counties, in ________________ states, during the worst drought every, miraculous ________________.
7. What other revolutionary product does Garst sell? ____________________________
8. Today almost every industrial ________________ uses nitrogen fertilizer. Garst becomes an international ________________ consultant and one of the largest ________________ suppliers in the world.
9. With new crops and ________________, we’ve grown more in the last ________________ years than in the previous ________________.
10. 1942. Mankind’s first truly global __________________. In Europe, ________________ Germany dominates. In the Pacific, Imperial ________________. The largest state in the U.S., ________________, dangerously close to Asia and isolated.

11. Now, ________________ American soldiers blaze an impossible trail, the Alcan Highway, to link ________________ to west coast ________________ and the rest of the _________________. An engineering challenge that will connect a _________________.

12. What are four challenges or obstacles the men faced while building the Alcan Highway?
   a. ________________
   b. ________________
   c. ________________
   d. ________________

13. True or False. 1/3 of the Alcan Highway workforce in Alaska was African American soldiers.

14. What obstacle did the army encounter that stalled the highway? ________________

15. True or False. General Hoag told his men to ditch the bulldozers and use tree trunks and branches to finish the Alcan Highway.

16. With ________________ closing in, two teams, one ________________ and one ________________, battle the weather to ________________ the final stretch.

17. What happened on October 29, 1942? ________________

18. Within six years, the U.S. Army is racially ________________. The Alcan Highway complete is part of a ________________ mile road, the world’s longest drivable route, running the length of the _________________.

19. Within half a ________________, the world is ________________ in a network of roads long enough to stretch to the ________________ and back ________________ times.
NUCLEAR POWER

20. August 6, ____________________. Two miles above the ________________ Ocean, bomber pilot Col. Bob Tibbets, 30 years old, a military prodigy, is on a secret mission to end ____________________.

21. What weapon is the ultimate projection of power? ________________________________

22. What is the code name of the bomb on Tibbet’s plane? ________________________________

23. What is the bomb’s target? Hiroshima, _________________________________________

24. The core of the bomb, _________________. Born in a cosmic explosion ________________ billion years ago before the birth of our planet. Dormant until scientists split its _________________ unleashing an apocalyptic power to annihilate our _______________ or fuel our ________________.

25. Dawn, 850 miles from ________________, an American B-29 bomber, the Enola Gay, carries the most destructive ________________ in the history of mankind.

26. 9:14 A.M. A sixty second ________________. Tone. Below them, a city of ________________ people. Tibbets has ________________ to escape the blast zone. An explosion ________________ times hotter than the surface of the ________________. The bomb kills more than ________________ instantly.

Three days later, a ________________ atom bomb. ________ surrenders.

27. Today, there are over ________________ nuclear warheads able to destroy our species ________________ over.

28. What is the third largest generator of electric ________________? ________________________________

29. In the twentieth century, ________________ and ________________ are the keys to enhancing our world.

ORGAN TRANSPLANTATION

30. What is Barnard planning to do in Capetown in 1967? ________________________________

31. What new technology is key to the operation? ________________________________

32. True or False. Barnard had done 50 heart transplants on dogs and just as many on humans.

33. How many times does the human heart beat in an average life? ________________________________

34. What will the life support machine do for Louis Washkansky? ________________

35. True or False. The donor heart immediately begins to beat on its own once the life support machine is turned off (the first time).

36. How many heart transplants a year do U.S. surgeons perform? ________________________________
37. Why are 600 African Americans marching in Selma, Alabama in 1965?

________________________________________________________________________

38. Racism rules in the ____________________. Only ____________________ of blacks in
the southern states are registered ____________________.

39. White authorities block their path with ____________________ and
____________________ intimidation. The only option, ____________________.

40. What was the group’s destination? ____________________

41. Why does Jim Clark deputize every white male over 21? ____________________

________________________________________________________________________

42. True or False. The protestors are given a three-minute warning to disperse and go home, but when they refuse the police attack ninety seconds later.

43. True or False. Laurens Pierce videotapes the attack and rushes the footage to New York.

44. ________________ minutes of raw footage interrupts ABC”s Sunday night
____________________. The birth of breaking TV ________________. By 1965, 9
out of 10 American families own a ____________________. Over 70% of the
____________________ population, watch the evening news. All
____________________ networks show the Selma violence. ____________________

45. Within ________________ days, President Lyndon Johnson proposes the Voting
Rights Act, outlawing voter ____________________. Landmark legislation. A turning point
for Civil ____________________ in America.

46. Media for the ____________________ means repression won’t go
____________________. In a world of instant communication, everyone has a
____________________.

47. We are the product of our ____________________. 100,000 years ago the emergence of
an extraordinary ____________________ … A hunger to survive, fuels a power to
____________________ …Our thirst for knowledge. A quest to ________________
…We forge ____________________, but contact can bring ____________________
…Mankind’s most enduring enemy, ____________________ …Yet, in our
____________________ moments, we find enlightenment, and with all we’ve learned we
face the ____________________ …Now, a new journey into inner
____________________ …That same instinct to ________________ ourselves, will
fuel the exploration of our ____________________, will unlock the power of the
____________________, and reach out into ____________________ …The next step, a
new ____________________ …The story of mankind is only just
____________________.