

Name: _____ Date: _____

(2 points)

Lesson Chronicles

Project: *The Men Who Built America*

Episode 8: A New Machine

Episode 8 Grade

Points Earned out of 130	Percentage Grade

Episode 8 Mission

Write the Episode 8 mission here: (2 points)

Episode 8 Vocabulary

Write the letter or number beside the correct vocabulary word or term next to each definition. (1 point each)

1		to come into being or to develop
2		a point or issue that is disputed or argued
3		a three month period in 1872 when Standard Oil Company took over all competing oil refineries in Cleveland, Ohio
4		a document explaining an idea for a new law
5		the highest person in a company that is responsible for the way the business is operated and for how the business performs

6		the formal accusations made against someone in criminal court
7		a title or rank that usually does not hold any power given to someone as a reward or to honor someone for something
8		the belief that a morally good action is one that helps the greatest number of people
9		the crime of threatening to tell secret information about someone unless the person being threatened gives you money or does what you want
10		the quality of being honest and fair
11		skill or cleverness that allows someone to solve problems or invent things
12		someone who is important and well-known
13		breaking a law, contract, or agreement
14		a person who helps two people or groups to deal with and communicate with each other when they are not able or willing to do it themselves
15		having a desire to be successful, powerful, or famous
16		an long area of land that has been dug out
17		having or showing a lot of experience and knowledge about the world

18		to represent something in a clear and obvious way or to be a symbol or example of something
19		a project or undertaking that is especially difficult, complicated, or risky
20		an amount of money that is paid to the original creator of a product, book, or piece of music based on how many copies have been sold
21		the exact opposite of something or someone
22		an arrangement of machines, equipment, and workers in which work passes from operation to operation in direct line until the product is assembled
23		to make the same
24		a person who is very successful and admired
25		something that someone says especially in a court of law while formally promising to tell the truth
26		something usually bad or unpleasant that happens as a result of an action, statement, etc., and that usually affects people for a long time
27		having purpose, importance or meaning
28		a person who has a lot of money, property, etc., and who uses those things to produce more money
29		the practice of giving money and time to help make life better for other people

30		to gather or gain something gradually over time
31		something that is strong and healthy
32		a 1890 law that outlawed trusts, monopolies and cartels in order to maintain fair business practices
33		a person who has clear ideas about what should happen or be done in the future
34		a person who is greatly admired by many people of a particular kind or in a particular place

Episode 8 Guide

Write the correct answer in the box next to the question as you watch the movie. (1 point each)

35		A fight will determine the _____ of the country, as Rockefeller is forced to defend the company he built from nothing into one of the most powerful corporation's on earth.
36		As John Rockefeller fights to keep his monopoly intact a new _____ of businessmen is facing a new set of challenges as they struggle to get their companies off the ground.
37		The Ford motor car is durable and light, weighing only 1,000lbs. It has a four cylinder engine and is capable of speeds up to 45 miles an hour. It is priced at \$900 compared to \$1 500 for the average licensed car which makes it the first car affordable for _____.
38		ALAM owns the patent on the automobile giving them complete control over who can manufacture and sell cars. They are, in a sense, a giant car _____ and Ford's future now rests in their hands.

39		After months of _____ the ALAM board reaches its decision. Henry Ford's application is _____. It's a crushing blow. The auto cartel has stopped him in his tracks. But Henry Ford is determined to show the world that to succeed in America all you need is integrity and ingenuity.
40		Henry Ford challenges the owner of the biggest car company in the country to a race. _____ is also known as the fastest driver in America and a _____ member of ALAM. Beating Winton with a car of his own design has the potential to give Ford the boost he needs to start his own company. There's just one problem, Henry Ford had never raced a care before.
41		Ford raises _____ or \$700,000 today. Enough money to build his first factory in Highland Park, Michigan and before long he's producing _____ cars a day, priced low enough for almost any American to buy.
42		Henry Ford's early success puts him on the map, but ALAM takes notice and hits him with a lawsuit claiming he's _____ their patent on the automobile.
43		Morgan's biggest deal is just getting started in _____. For years, attempts have been made to build a canal linking the Atlantic and Pacific Oceans. Such a canal would cut East to West travel time in half saving ships over _____ per trip but no one's had the power to make it happen, until now.
44		10.) J.P. Morgan acts as the _____ (middleman) for the government and raises \$40 million dollars or \$7 billion today, to get the project started. The _____ is the most ambitious construction project the United States has ever undertaken.
45		Over a 40 year career John Rockefeller used _____ and ingenuity to create a corporate empire unlike any the world has ever seen, but he was also notoriously ruthless and many believe he went too far.

46		As the court adjourns to deliberate Rockefeller can only await his company's fate. Hundreds of miles away a new kind of businessman, Henry Ford, also waits. A panel of federal judges will decide whether Ford can continue to freely manufacture and sell his model A car. The association of licensed automobile manufacturers is suing Ford for a _____ on every car he sells.
47		Ford is convinced the era of unchecked monopolies is over. So as his lawsuit winds its way through court he openly _____ the order from ALAM and continues building and selling his cars. He believes there's a better way to conduct business in America and he's determined to make it a reality.
48		Using the _____, Ford workers can build cars up to 8 times faster than any other automobile factory in the world. What once took 12 hours to assemble, now takes an hour and a half.
49		The innovation allows Ford to _____ the 8-hour workday.
50		John Rockefeller's Standard Oil is completely dismantled, broken up into _____ smaller companies. The age of the monopoly is over.
51		In a surprise decision, the court rules _____ (in favor) of Henry Ford. ALAM has no legal claim to the design of the car. Henry Ford is free to innovate without repercussion.
52		Steve Watts, a Henry Ford biographer, says, "Ford's success put him forward in American life as a new kind of businessman but, in crucial ways, unlike Rockefeller or Carnegie he wasn't trying to gain a monopoly. He was trying to bring a product to the people. The American population ate this up and they made Henry Ford a kind of _____."

53		Ford seizes the momentum and his factories go into overdrive. His assembly lines starts producing a revolutionary new car at a record rate. It's called the _____ and it costs only _____. For the first time, a car the common man can afford.
54		Ford's reputation won't always be so positive, but his revolution inspires an entire generation of visionaries who will transform the fabric of American life. Childhood friends _____ and _____ attach an engine to a bicycle and begin selling motorcycles to the masses.
55		_____ applies Henry Ford's assembly line model to the mass production of chocolate.
56		Chicago merchant, _____ takes his chewing gum national and in Hollywood. Polish immigrant, _____, begins distributing cosmetics for movie stars to drug stores across the country inventing a completely new consumer product called make-up.
57		The era of Rockefeller, Carnegie and Morgan looks like it may have come to an end, but America's three most powerful men are just as _____ as ever before.
57		The result is broad prosperity shared throughout the country and perhaps America's greatest innovation yet, a thriving and prosperous _____.
58		John Rockefeller may have lost his court case, but the smaller companies created from Standard Oil will go on to become corporate giants with names like _____, _____ and _____ and John Rockefeller is a shareholder in each new company.
59		Even in defeat, John Rockefeller becomes the richest man in the history of the world with a net worth of almost _____ in today's money.

60		<p>On a brisk spring morning, two years after the breakup of standard oil, John Rockefeller joins his old rival Andrew Carnegie to mourn the loss of one of their own. Less than a month from his 76th birthday, J.P. Morgan dies in his sleep. Morgan leaves such a mark on American finance that the _____ shuts down, an honor normally reserved for the passing of a president.</p>
61		<p>For Rockefeller and Carnegie, Morgan's passing is a reminder, time is running short, and the realization triggers a new contest. No longer is their competition about who makes more money, now the question is who can give more away. Andrew Carnegie was the first of the big capitalists of this era to be bitten by the _____ bug.</p>
62		<p>Carnegie gives away more than _____ or \$67 billion, today. Most goes to education and his favorite cause, libraries. As more than 2,500 "Carnegie libraries" are built in 49 states and around the world.</p>
63		<p>At the age of 73, he creates the _____ with a personal endowment of _____ or the equivalent of \$38 billion today. The money will go on to advance public health around the world for decades.</p>
64		<p>John Rockefeller will live to be away more _____ in his lifetime. Gifts that, today, would total over \$100 billion.</p>
65		<p>As World War I breaks out in Europe, the world looks for help. It looks to America. Just 50 years removed from the ashes of the Civil War, America has become a _____.</p>
66		<p>From a broken country into the most powerful nation on Earth, they didn't discover this modern America, _____.</p>

Episode 8 Multiple Choice

Circle the letter that marks the correct answer to the question.

67) What was *The United States vs. Standard Oil*?

- (A) The United States vs. Standard Oil was the biggest anti-trust trial of all time against John D. Rockefeller's Standard Oil Company.
- (B) The United States vs. Standard Oil was the biggest criminal trial of all time against J.P. Morgan's General Electric Company.
- (C) The United States vs. Standard Oil was a federal law that outlawed monopolies, cartels, and trusts.
- (D) The United States vs. Standard Oil was a civil suit filed by William Jennings Bryan against John D. Rockefeller, Andrew Carnegie, and J.P. Morgan.

68) What did the court accuse John D. Rockefeller of in *The United States vs. Standard Oil*?

- (A) The court accused Rockefeller of ruthlessly using intimidation to wipe out competition that resulted in the Cleveland Massacre.
- (B) The court accused Rockefeller of bribing politicians and senators to block bills that would hurt Standard Oil.
- (C) The court accused Rockefeller of receiving secret kickbacks from railroad companies in order to unfairly offer lower prices, allowing him to put his competition out of business.
- (D) All of the answer choices are correct.

69) What was the result of *The United States vs. Standard Oil*?

- (A) The court ruled against the Standard Oil Trust because it violated basic human rights and it was ordered it to be broken up within the month.
- (B) The court ruled against the Standard Oil Trust because it was in violation of the Sherman Anti-Trust Act and ordered it to be broken up within 6 months.
- (C) The court ruled for the Standard Oil Trust and allowed it to continue to do business as long as it was under different company names.
- (D) The court ruled for the Standard Oil Trust and allowed John D. Rockefeller to stay out of jail as long as he provided livable wages and safe working conditions for his employees.

70) What was Ford's goal in creating the Ford Motor Company?

- (A) Ford's goal in creating the Ford Motor Company was to make a fortune and become a major industrialist by manufacturing the first motor car.
- (B) Ford's goal in creating the Ford Motor Company was to create a monopoly in the automobile industry.
- (C) Ford's goal in creating the Ford Motor Company was to manufacture a car that common people could afford.
- (D) Ford's goal in creating the Ford Motor Company was to get rid of ALAM.

71) What was ALAM?

- (A) ALAM was a department of the U.S. government that was over the production of automobiles.
- (B) ALAM was the Association of Licensed Automobile Manufacturers.
- (C) ALAM was a cartel that blackmailed automobile manufactures into purchasing licenses to manufacture automobiles and paying royalties on all the automobiles they sold.
- (D) Both B and C are correct.

72) Why did Henry Ford go to ALAM to get permission to manufacture his cars?

- (A) Ford went to ALAM to get permission to manufacture his cars because ALAM owned the patent on the automobile that gave them the right to control production and distribution of automobiles.
- (B) Ford went to ALAM to get permission to manufacture his cars because ALAM was a government agency that required all automobile manufacturers to get a license before they could manufacture cars.
- (C) Ford went to ALAM to get permission to manufacture his cars because ALAM threatened to sue any automobile manufacturers that were not licensed or did not pay royalties to ALAM.
- (D) Ford went to ALAM to get permission to manufacture his cars because ALAM was a customer service organization established to protect consumers against unsafe automobiles and he needed their approval before anyone would buy one of his cars.

73) What is Ford's plan to get licensed by ALAM after his first request for a license is rejected?

- (A) Ford's plan to get licensed by ALAM after his first request for a license was rejected is to make a name for himself by beating Alexander Winton, the world's fastest race car driver and a prominent member of ALAM, in a race.

- (B) Ford's plan to get licensed by ALAM after his first request for a license was rejected is to take ALAM to court for breaking the Sherman Anti-trust Act.
- (C) Ford's plan to get licensed by ALAM after his first request for a license was rejected is to bribe ALAM by paying the head of ALAM, Alexander Winton \$1 million.
- (D) Ford's plan to get licensed by ALAM after his first request for a license was rejected is to get John D. Rockefeller to help him take over ALAM and gain a monopoly on automobiles.

74) How has J.P. Morgan been able to keep his steel monopoly off of the government's hit list while Rockefeller is fighting to save his company?

- (A) J.P. Morgan has been able to keep his steel monopoly off of the government's hit list because J.P. Morgan and Andrew Carnegie have kept the sell of Carnegie Steel a secret from the federal government.
- (B) J.P. Morgan has been able to keep his steel monopoly off of the government's hit list because J.P. Morgan did not pay his employees low wages or make them work long hours in dangerous conditions.
- (C) J.P. Morgan has been able to keep his steel monopoly off of the government's hit list because Morgan was able to use his power and influence to strengthen the country's infrastructure and build the Panama Canal.
- (D) J.P. Morgan has been able to keep his steel monopoly off of the government's hit list because J.P. Morgan loaned the U.S. government another \$100 million to keep them the American economy from collapsing.

75) Who raises the money to build the Panama Canal?

- (A) J.P. Morgan
- (B) John D. Rockefeller
- (C) Andrew Carnegie
- (D) All the answer choices are correct.

76) What were some of the problems faced in building the Panama Canal?

- (A) extreme heat
- (B) deadly diseases
- (C) hard labor
- (D) All the answer choices are correct.

- 77) What was the cost of America's unprecedented growth and rise as an industrial super power?**
- (A) The cost of America's unprecedented growth and rise as an industrial super power was a large casualty list of workers who were injured or killed because of dangerous working conditions.
 - (B) The cost of America's unprecedented growth and rise as an industrial super power was the all of the fortunes made by Carnegie, Rockefeller, and Morgan.
 - (C) The cost of America's unprecedented growth and rise as an industrial super power was World War I.
 - (D) The cost of America's unprecedented growth and rise as an industrial super power was that Americans lost the ability to create new inventions and innovations and put us behind the rest of the world in technology.
- 78) What technique did Ford perfect that completely changed manufacturing forever?**
- (A) The technique that Ford perfected that completely changed manufacturing forever was paying workers a livable wage, maintaining safe working conditions, and introducing shift work so that workers were not overworked.
 - (B) The technique that Ford perfected that completely changed manufacturing forever was using an assembly line in mass production.
 - (C) Both A and B are correct.
 - (D) Neither A or B are correct.
- 79) How are Carnegie, Morgan, and Rockefeller still relevant even after the breakup of their monopolies?**
- (A) Rockefeller, Carnegie, and Morgan still hold a great deal of power, influence, and wealth even though their companies have been dismantled.
 - (B) Rockefeller, Carnegie, and Morgan become major philanthropists and give billions of dollars in today's money to help the nation.
 - (C) Rockefeller's Standard Oil gasoline stations fuel Henry Ford's cars. Ford's cars are built using Carnegie's steel in factories powered by J.P. Morgan's General Electric Company.
 - (D) All of the answer choices are correct.

80) What was the most important development that came from Ford's new way of doing business?

- (A) The most important development that came from Ford's new way of doing business was the Model T Automobile.
- (B) The most important development that came from Ford's new way of doing business was the Middle Class.
- (C) The most important development that came from Ford's new way of doing business was the development of fair labor laws.
- (D) The most important development that came from Ford's new way of doing business was the internal combustion engine.

81) Why did America ultimately become a global super power?

- (A) America ultimately became a global super power because the big industrialists made America look like "Gold" and this tricked many immigrants to move to America, which gave us a massive work force.
- (B) America ultimately became a global super power because we built the Panama Canal and all other nations had to pay us royalties to use it.
- (C) America ultimately became a global super power because we developed ways of using new innovations and technologies in producing and manufacturing goods and were able to out produce other nations.
- (D) America ultimately became a global super power because we built a huge military and learned that Communism was the best form of government.