Name: _____

Date: _____ Grade: _____

SECTION QUIZ 4-1

Remember:
Score an 85% or higher on all three quizzes and you may be exempt from the chapter test!

Answer the following questions to test your understanding of the material. When you are finished, hand in your quiz to your teacher. Each answer is worth 2.6 points.

Matching:

1. Alexander Graham Bell	(a) invented the steam-powered boat
2. Eli Whitney	(b) invented the cotton gin
3. Elias Howe	(c) invented the telephone
4. Robert Fulton	(d) invented the incandescent light bulb
5. Thomas Edison	(e) invented the sewing machine

Multiple Choice:

6. As a teenager, _____ was a serious student, and learned about acoustics from his father.

   (a) Eli Whitney (b) Elias Howe (c) Alexander Bell (d) Robert Fulton

7. As a teenager, _____ noticed needs of those around him and made nails for farmers and hairpins for ladies.

   (a) Alexander Bell (b) Eli Whitney (c) Elias Howe (d) Robert Fulton

8. As a teenager, _____ became an apprentice in his father's shingle factory.

   (a) Eli Whitney (b) Elias Howe (c) Robert Fulton (d) Thomas Edison

9. As a teenager, _____ drew portraits and sketched mechanical devices.

   (a) Eli Whitney (b) Elias Howe (c) Robert Fulton (d) Thomas Edison

10. As a child, _____ was a hyper-active, independent learner who liked to take things apart to see how they worked.

    (a) Eli Whitney (b) Elias Howe (c) Robert Fulton (d) Thomas Edison

11. The first _____ was invented in 1876.

    (a) sewing machine (b) cotton gin (c) steam -powered boat (d) telephone

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12. The first _____ was patented in 1794.

    (a) sewing machine (b) cotton gin (c) steam -powered boat (d) telephone

13. Standardized Production with _____ was demonstrated in 1797.

    (a) patents (b) interchangeable parts (c) status quo (d) acoustics

14. The first _____ in America was invented in 1845.

    (a) steam boat (b) cotton gin (c) sewing machine (d) incandescent light bulb

15. The first functional _____ was proven to work well in 1807.

    (a) steam boat (b) cotton gin (c) sewing machine (d) telephone

16. The first _____ was invented in 1880.

    (a) steam boat (b) cotton gin (c) sewing machine (d) incandescent light bulb

17. _____ was challenged to create a "talking machine".

    (a) Thomas Edison (b) Alexander Bell (c) Robert Fulton (d) Elias Howe

18. _____ invention was featured at the Centennial Exposition in Philadelphia, and given a boost there by Emperor Dom Pedro from Brazil.

    (a) Howe's (b) Edison's (c) Bell's (d) Whitney's

19. The garment industry had greatly increased by the year 1900, due to the invention of the _____.

    (a) telephone (b) sewing machine (c) light bulb

True or False:

20. America's free enterprise (capitalistic) system allows creative, hard-working people to implement their dreams and profit from them. _____

21. Successful business people create jobs for others. _____

22. The first inventions of both Whitney and Howe were "pirated". _____

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23. Before the 1800s, people made clothing by hand-sewing garments with primitive needles, made from sea shell fragments and wood splinters. _____

24. Mechanization has to do with being powered by electricity. _____

Fill in the Blanks from the Word Bank Below: (Names are used more than once.)

WORD BANK

Alexander Bell Eli Whitney Elias Howe Robert Fulton Thomas Edison

25. Which inventor went from being destitute to earning more than $250,000 per year from his invention? _____

26. _____ invented a microphone for Alexander Bell, and a more efficient storage battery for Henry Ford.

27. The assembly-line concept with standardized, interchangeable parts was pioneered by_____ and set the stage for the Industrial Revolution.

28. Whose invention was used to detect submarines during WWI? _____

29. _____ had to go to court 550 times over 18 years to be declared the rightful originator of his invention.

30. Whose manufacturing Company eventually became General Electric? _____

31. Which inventor had a lame foot that made standing for long periods of time (such as in farming) painful? _____

32. _____ launched the *Clermont*, believing that mechanization would dramatically improve commerce.

33. _____, "The Wizard of Menlo Park," New Jersey, is deemed to be the greatest American inventor.

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SECTION QUIZ 4-1

Complete the Life Principles:

34. "*Sometimes we stare so long at the _____ (of opportunity) that is closing that we see too late the one that is opening.*"

35. "*If once you forfeit the confidence of your fellow citizens, you can never regain their _____ and esteem.*"

36. "*The man who can keep a secret may be wise, but he is not half as wise as the man with no _____ to keep.*"

37. "*Show me your hands. Do they have scars? Show me your feet. Are they wounded in service? Show me your _____. Have you left a place for Divine love?*"

38. "*Our greatest _____ lies in giving up. The most certain way to succeed is always to try just one more time.*"

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Name: _____

Date: _____ Grade: _____

SECTION QUIZ 4-2

Remember:
Score an 85% or higher on all three quizzes and you may be exempt from the chapter test!

Answer the following questions to test your understanding of the material. When you are finished, hand in your quiz to your teacher. Each answer is worth 2.7 points.

Matching:

1. Henry Ford	(a) manufactured bombers
2. Samuel Morse	(b) was called "crazy"
3. Theodore Judah	(c) "put America on wheels"
4. William E. Boeing	(d) invented bi-wing aircraft
5. The Wright Brothers	(e) "What hath God wrought?"

Multiple Choice:

6. _____ invented a communication system composed of dots and dashes.

   (a) Henry Ford (b) Theodore Judah (c) Samuel Morse

7. A transcontinental railroad was the all-consuming dream of _____, which was realized in 1869 at Promontory, Utah.

   (a) Theodore Judah (b) Samuel Morse (c) Henry Ford (d) William Boeing

8. _____ became interested in aviation while riding on a floatplane, and was motivated to construct better ones.

   (a) the Wright brothers (b) Henry Ford (c) William Boeing

9. _____ successfully preformed the first motorized flight at Kitty Hawk, North Carolina in 1903, without public acclaim.

   (a) William Boeing (b) the Wright brothers (c) Henry Ford

10. The assembly-line production concept, originated by Eli Whitney, was streamlined by _____

    (a) the Wright brothers (b) William Boeing (c) Henry Ford

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11. The invention of _____ greatly improved long-distance communication for law enforcement, military, media and railroads.

    (a) Morse code/telegraph (b) the Model T car (c) the steam boat

12. _____ produced Model T's at a fourth of the cost of competitors, and passed the savings on to customers.

    (a) the Wright brothers (b) Henry Ford (c) William Boeing

13. In the middle 1800s, the telegraph took the place of _____.

    (a) the telephone (b) Morse Code (c) the Pony Express

14. Which United States President became interested in Mr. Judah's idea of a railroad that spanned the continent? _____

    (a) James Monroe (b) James Madison (c) Abraham Lincoln (d) James Polk

15. The beginning of Boeing aircraft Company began with the construction of two floatplanes. Boeing's better-designed floatplanes were then purchased by the_____.

    (a) US Navy (b) US Army (c) US Airforce (d) US Marines

16. As children, the Wright brothers became interested in aviation after they were presented with a toy _____. (a) airplane (b) spaceship (c) hot air balloon (d) helicopter

17. Judah financed his dreams by means of _____.

    (a) President Lincoln (b) Congress (c) interested entrepreneurs

18. In time, Boeing Aircraft Company became _____ Airlines.

    (a) American (b) United (c) Pan American (d) Northwest

19. Morse received financial support from _____to build an experimental line.

    (a) a friend (b) Congress (c) Henry Ford (d) Thomas Edison

True or False:

20 . The Wright brothers flight accomplishments were recognized first in France, then in America. _____

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21. The two ethnic groups that competed to be the first arrivals at Promontory, Utah, were Irish and Chinese. _____

22. Theodore Judah saw his dream fulfilled in 1869, when he drove the golden spike to unite the two railroads at Promontory, Utah. _____

Fill in the Blanks with Words from the Word Bank Below: (Some are not used.)

WORD BANK

sabotage finances WWI catalyst stabilizing force transcontinental
jobs transatlantic WWII free enterprise Boeing the Wrights education

23. The lack of _____ did not deter Henry Ford, William Boeing, and the Wright brothers from making their dreams come true.

24. Entrepreneurs like Ford, Morse, Judah, Boeing, and the Wright brothers believed in and exercised _____ in their operations.

25. The lack of _____ did not keep Theodore Judah and Samuel Morse from finding ways to make their dreams a reality.

26. Boeing's B-17, B-52, and B-29 bombers were key to winning _____.

27. Both Henry Ford and Theodore Judah were faced with episodes of _____ by competitors and discontented employees.

28. Henry Ford served as a major _____of industrial expansion in the United States.

29. Entrepreneurs like Ford, Morse, Judah, Boeing, and the Wright brothers provided _____ for millions of people and reaped profits for themselves.

30. The Wright Brothers Flying School played a significant role in winning _____.

31. Telegraph communication ***eventually*** extended from the United States to Europe by means of a _____ cable.

32. _____ "birthed" air travel.

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SECTION QUIZ 4-2

Complete the Life Principles.

33. "*Obstacles are those frightful things you see when you take your eyes off your _____.*"

34. "*Every child has a dream; to pursue the dream is in every child's hand to make it a _____.*"

35. "*If at first you don't _____, try, try, try again.*"

36. "*No one is to dismiss any novel_____ with the statement that 'it can't be done!'*"

37. "*Do not let yourself be forced into doing anything before you are _____.*"

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