Name_____ _____**Complete**_____**Incomplete**

18-1 – The Second Industrial Revolution- Pages 574-578

Essential Question: ***How did the Second Industrial Revolution lead to new sources of power and advances in transportation and communication?***

Main Idea 1:
Breakthroughs in steel processing led to a boom in railroad construction.

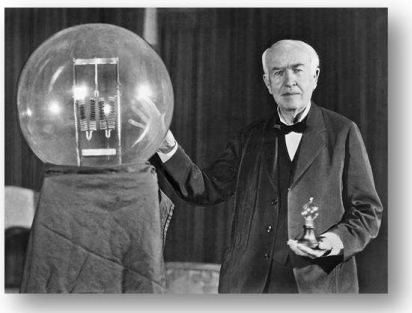
- Technological _____ important to _____
  Industrial _____: period of _____ growth in U.S. _____ in late 1800s
  - _____ _____ developed a way to make _____ quickly and _____.
  - Called the _____ process, _____ mid-1850s
  - Helped _____ steel _____ from _____ tons in 1870 to more than _____ tons in 1879
- As steel _____ in _____, so did the _____ of _____ railroads, generating a _____ in railroad _____.
- The _____ industry had _____ productivity _____ to new _____ technologies.
  - Growth of _____ helped _____ expand and _____

Main Idea 2:
Advances in the use of oil and electricity improved communications and transportation.

- Chemists _____ a way to _____ crude _____ into _____ called _____ in the 1850s.
- Kerosene, which could be used for _____, heating, and _____, created a _____ for _____.
- A huge _____ industry _____ after a way to _____ oil from the _____ was _____ in 1859.
- The _____ of a _____ source of _____ led to the _____ of the oil _____.

Development of Electricity

Invention



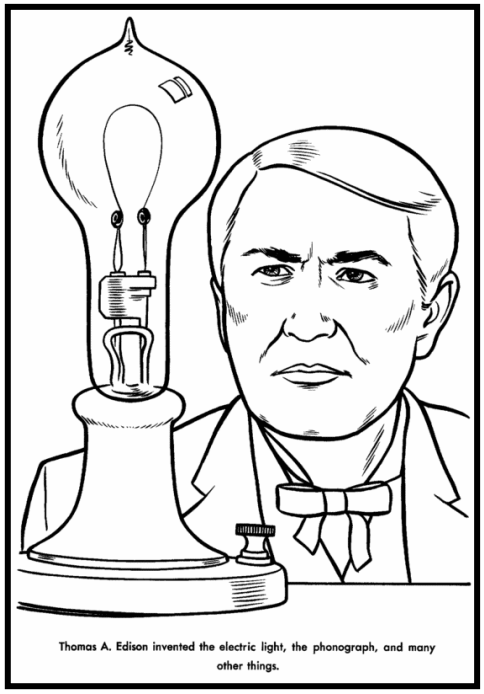
- Inventor _____ _____, who held more than _____ patents, worked to _____ an electric _____.
- Thomas Edison is _____ with the _____ of the _____.
- Edison and his _____ introduced the first _____ electric _____ in _____.

Spread

- Edison created a _____ company to distribute _____, but could not _____ it over _____ distances.
- George Westinghouse built a _____ system that could send _____ many _____ across the _____.

Main Idea 3:
A rush of inventions changed the lives of Americans.

- New _____ technology _____ the United States with _____ by _____ in 1866.
- _____ _____ _____ patented the _____ in 1876.
- _____ were rapidly _____, the number _____ from _____ in 1880 to almost _____ million in 1900.
- George Westinghouse improved _____ brakes for _____, which helped to _____ the _____ of _____ travel.
- _____ _____ introduced the _____ in 1908.
    - Was the _____ to use the moving _____ line.
    - Reduced the _____ to _____ a car
    - Cars _____ more _____.
- _____ _____ _____ invented the _____, which revolutionized _____ in the United States and caused further _____ to be made in the _____ industry.



Thomas A. Edison invented the electric light, the phonograph, and many other things.

<u>Feel free to color the pictures in your notes with colored pencils to add some color to your notes!</u>

Name_____ _____**Complete**_____**Incomplete**