

~~westward expansion~~ industrialization & urbanization 1870-1900 "Gilded Age"

I. westward expansion

a) see chart

II. industrialization

A. what led to this industrial boom during the gilded age.

1.) utilization/discovery of natural resources.

a.) coal

b.) oil

- first drilled in 1859 in western P.A.
- first use would be for oil lamps.
- would lead to great wealth for some and oil for cars.

c.) steel

- created the Bessemer process:
 - blow air into hot iron to remove impurities
- effects:
 - cheaper manufacturing of steel for railroad ties
 - suspension bridges
 - sky scrapers

2.) inventions

a.) electricity

- harnessed in 1876 by Thomas Edison
- first lightbulb patented in 1880
- effects:
 - freed industry to locate anywhere
 - spurred invention of time-saving appliances
 - expanded cities

b.) telephone

- created by Alexander Graham Bell in 1876
- effects:
 - faster communication
 - new jobs for women

c.) typewriter

- created by Christopher Sholes in 1867
- changed work and created new jobs for women

3.) Railroads

a.) unify the nation

- May 10, 1869: transcontinental Railroad completed
- over 150,000 miles of track by 1890

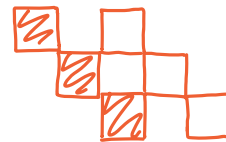
b.) immigration

- Chinese in the West
- Irish in the East

c.) Standard time zones

- established by the Railroad on Nov. 18, 1883
- adopted by congress in 1918

d.) new towns



- develop along tracks

- Pullman, IL:

• planned community for Pullman employees

Westward Expansion Chart

Instructions: Download this chart and include it as part of your notes for Unit VII. Follow the instructions on the placard and after reading the section in Lesson 12 complete the information on the chart below. Be prepared to share your answers in class.

| People Group | Positive Impact | Negative Impact |
|------------------------|---|---|
| Miners ♥ | <p>Population jump Urbanization Comstock lode: \$300 million of gold & silver</p> | <p>destroying the environment difficult & dangerous work horrible working conditions</p> |
| Ranchers/Cowboys ♥ | <p>CATTLE DRIVES to get beef to market Cattle ranches Rise cow towns & railroad</p> | <p>end of Native American civilizations Ranch wars ↳ ended w/ barbed wire</p> |
| Native Americans ♥ | <p>free land?</p> | <p>DAVES ACT ↳ gave tracts of land to families → 160 acres to farm → 320 for grazing Indian wars ASSIMILATIONS → forced onto reservations</p> |
| Settlers ♥ | <p>railroads homestead act (1862) ↳ 160 acres to improve west land (5 yrs) Morrill land-grant act ↳ give west land to states to sell & build colleges Fresh start Industrialization</p> | <p>environmental issues Soddies (mud brick homes) harsh weather</p> |
| African Americans ♥ | <p>farm communities established independence in owning land work opportunities exodusters ↳ traveled from south to west → owned land & new opportunities</p> | <p>racism was still happening</p> |