

Early Industry and Inventions

Free Enterprise and Factories

During _____ factory machines replace hand tools

_____ replaces farming as main form of work

_____ brings workers, machines together under one roof

War of _____ leads U.S. towards industrialization

British blockade causes U.S. to _____ goods previously _____

_____ good place to set up successful _____ because:

- fast-moving _____
- ships and access to _____ Ocean
- willing _____ force

The Lowell Mills

_____ builds first spinning mill,

Francis Cabot _____ builds factory in Waltham, Massachusetts (1813)

Lowell mills—textile mills in Lowell, employ farm girls, high wages

Uses power looms _____, factory is successful, builds factory town—Lowell

Girls follow strict rules, read books, publish literary magazine

Later factories run by powerful _____ instead of _____

A New Way to Manufacture

U.S. government hires Eli _____ to make 10,000 _____ (rifles) for army

Before Whitney guns are made one at a time by gunsmiths, Whitney changes this method

Whitney uses _____ parts, parts exactly alike, to make guns (1801)

_____, makes production _____

_____ repairs easy, uses less-skilled workers

Moving People, Goods, and Messages

Robert _____ invents _____, *Clermont* River (1807)

Steamboats enables boats to travel upriver, against current

_____ the _____ of _____ and _____

Clermont makes trip from New York to Albany and back in record time

Samuel F. B _____ first demonstrates the _____ in 1837

Enables people to _____ in _____ between _____

Brings people closer together as a nation

Technology Improves Farming

_____ invents _____ (1836)

- makes _____ Midwestern soil _____
- more farmers move to Midwest

Eli Whitney invents _____—machine that cleans _____ (1793)

Makes cotton cleaning more _____, changes _____ life

Cotton _____ spread west, triggers a move westward