**Chapter 12 Study Guide**

Why were changes to manufacturing needed in the mid-1700s?

How did the water frame revolutionize the production of cloth?

Who was Richard Arkwright?

Who was the man responsible for bringing new textile machines to the United States?

Why were more American textile mills built in the North than in the South?

What was Eli Whitney’s influence on American manufacturing?

What was one argument given by Secretary of the Treasury Albert Gallatin about why there were so few

factories in the United States?

How did the War of 1812 help American manufacturing?

During the War of 1812, what American patriot said “to be independent for the comforts of life we must

fabricate [make] them ourselves”?

What did textile manufacturers do to keep the costs of running a mill low?

What happened to workers in the textile industry as a result of Francis Cabot Lowell’s introduction of a

new system?

For how long would a typical “Lowell girl” stay at the mills?

What was a trade union?

Why were most early strikes by union members unsuccessful?

Who was Sarah G. Bagley?

What main benefit did the Transportation Revolution bring to trade?

Why was the steamboat well suited to river travel?

What did the Supreme Court decide in the case of Gibbons v. Ogden?

What was the Tom Thumb and why was it significant?

What challenges did engineers and mechanics face while building railroads?

Why did locomotives make a powerful impression on passengers?

How did the Transportation Revolution affect America’s farming industry?

The telegraph was invented several years before it went into operation. What was the reason for the

delay?

What communication system, featuring different combinations of dots and dashes to represent letters,

was developed by Alfred Lewis Vail?

How did technological developments during the Industrial Revolution enable people to build factories

almost anywhere?

Why did companies build their factories closer to cities and transportation centers in the mid-1800s?

How did the inventions of the plow and the reaper help the farming industry?

In the mid-1800s, companies began to mass-produce earlier inventions. What effect did this have on

families?

Know these individual’s accomplishments, innovations, and impacts on society and the industrial

revolution

Aaron Ogden

Samuel Slater

Samuel F.B. Morse

Eli Whitney

Sarah G. Bagley