

Reshaping the Nation

Unit 4

"Hey, what we really need is a ..."

Section 9.1

Read the problems below. Decide which invention and inventor would address that concern and fill in the chart accordingly, using the answer choices below. Then, consider what the long-term effects of the invention might be and fill in that column with the correct letter. There might be more than one long-term effect for each invention.

	Problem	Invention	Inventor	Long Term Effect(s)	What it Looks Like
1	When I use my new sewing machine (invented by Elias Howe), I can't hold the fabric straight and keep the crank wheel on the side going. It's like I need another hand!				
2	Over the winter, my land gets compacted and hard. I need to break it up to plant in the spring. When I use my wooden tool to do that, it breaks. When I got an iron one, it was too heavy and soil stuck to it.				
3	When I need to tell someone something, I either have to wait until I see them, or I have to send a messenger. If a message needs to be sent really far, the Pony Express can be used, but it is very expensive and relatively slow. Plus, the news is old by the time it gets to us, and family ties are hard to maintain over distances.				
4	It is so much easier to transport stuff on water like rivers and lakes. It's the land in between them that kills you, because you have to move the whole load to wagons and find horses or oxen to haul over the land. Then, you have to load them back onto boats to get them to trade centers.		X		
5	There's this plant that produces this cool substance that is waterproof and flexible, but when it gets hot it melts and falls off the thing you are trying to keep dry.				
6	Rivers (like the Mississippi) are awesome if you are going downstream, but it is a pain to go up. Also, it is a difficult to cross the Atlantic Ocean because you never know how the winds will be blowing on your sails. It could be fast trip or you could hit the doldrums and get stuck.				
7	My wheat crops tend to get "ripe" at the same time, so we spend day and night out in the fields trying to cut them down with huge knife-like sickles. Man, does all that twisting ever hurt your back! Then you have to come back and bundle and haul the bales, too.				
8	Canals are neat, but the water freezes in winter and they are pretty crowded. The lock systems that move boats up and down elevations are cool, but they really slow thing down.		X		

Inventions

a. Railroads	d. Mechanical Reaper	g. Vulcanized Rubber
b. Steamboats	e. Foot treadle	h. Steel plow
c. Canals	f. Telegraph	

Inventors

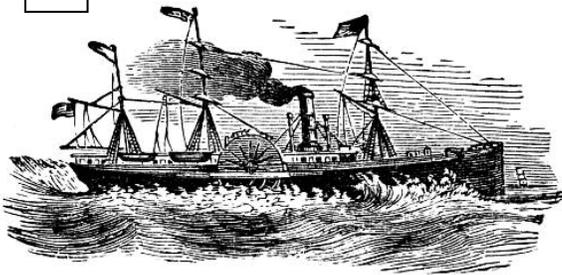
i. I.M. Singer	l. Samuel Morse
j. Cyrus McCormick	m. Robert Fulton
k. Charles Goodyear	n. John Deere

Long Term Effects

- o. Makes settling the Great Plains possible and provides a “convenient” way for farmers to get crops back to bigger markets in the east--for a price.
- p. Makes travel upriver faster and easier. It will also make intercontinental travel much faster, accelerating the pace and dependability of international trade.
- q. Make harvesting of wheat faster and less labor intensive. It is expensive, however, and ties Midwestern farmers to a cycle of debt and payments
- r. Makes farming the great plains possible. Now the sod can be “busted!” However, this puts the Missouri Compromise in a whole new light Southerners hadn’t thought of...
- s. This makes the railroads run more efficiently and drives the Pony Express out of message delivery business. As a matter of fact, railroad owners like Jay Gould will make more money from this than the railroad itself.
- t. The success of these drove many states to try to duplicate New York’s rise to prosperity. States like Pennsylvania couldn’t and began to shift their attention to railroads instead.
- u. One of these in the state of New York opens the old Northwest Territory for settlement
- v. Leads to the production of waterproof clothing and ,eventually, the production of bicycle tires
- w. Leads to consumers being able to buy clothes off the rack and helps link southern cotton production with northern industry.

What it looks like

1



2



3



4



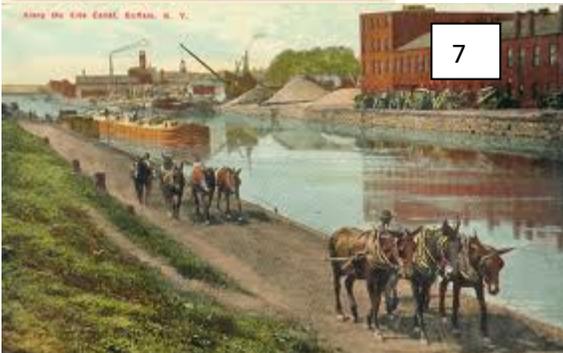
5



6



7



8

