

Name _____

The Spark of Transformation: The Birth of the Industrial Revolution

Short Answer Key

1. The three key factors that contributed to the birth of the Industrial Revolution in England were a surge in scientific knowledge and technological innovation, the availability of resources like coal and iron, and the growth of urbanization.
2. The textile mill and its machinery, including the spinning jenny and water frame, significantly increased the efficiency of textile manufacturing during the Industrial Revolution. They allowed for the mechanization of processes, leading to greater production and lower costs.
3. The steam engine played a pivotal role in the Industrial Revolution by powering steam engines, factories, locomotives, and steamships. It revolutionized transportation, making it faster and more reliable, and greatly expanded the possibilities for industry and trade.
4. The rapid urbanization during the Industrial Revolution brought challenges such as crowded and challenging living conditions, as people moved to cities in search of employment. Often, urban working-class neighborhoods were characterized by overcrowded housing and poor sanitation.
5. The Industrial Revolution had lasting effects on modern society, including the shift from agrarian economies to industrial ones, the growth of urban centers, and the rise of technology-driven production and transportation. It also led to significant social changes, such as the emergence of the labor movement and the development of new economic systems.

