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|  | Innovations in Warfare 1850-1918 | Facilitating innovationsWhy was Trench Warfare so Deadly? | What was it and how did it contribute to deadlier forms of warfare? | Soldiers experiences of this innovation |
| A drawing of a person  Description automatically generatedA close up of a gun  Description automatically generated | Bolt Action Rifle | Mass Precision manufacturing, Needle rifle 1830’s, self-contained metallic cartridge 1840’s, Smokeless powder 1840’s |  |  |
| A person sitting on top of a gun  Description automatically generated | Belt Fed Machine Guns | Mass precision manufacturing, water coolants, rifle metallic cartridges |  |  |
| Image result for first world war artillery | Heavy Artillery | Mass precision manufacturing, improvements in Iron founderies  |  |  |
| Related image | Chlorine and Mustard Gas | Revolution in chemistry 1840’s onwards, HE shells, refrigeration 1870’s |  |  |
| Image result for first world war barbed wire | Barbed Wire | Innovations in cattle ranching in USA 1860’s |  |  |
| A vintage photo of a person driving a forest  Description automatically generated | High Explosive Shells | Mass precision manufacturing, precision watchmaking, Chemicals revolution 1850’s on |  |  |
| Image result for railways first world warImage result for railways first world war | Railways | Steam power 1740’s James Watt,  |  |  |
| Image result for mining first world warImage result for mining first world war | Mining | Underground mining in the coal and iron industries, TNT, Dynamite and High explosives 1860’s |  |  |
| Image result for first world war hand grenades | Hand grenade | Chemical’s revolution, mass production watchmaking, TNT |  |  |
| Image result for world war one airplane | The airplane | Wright brothers 1902, combustion engine, alternating propeller |  |  |
| Image result for first world war tanks | The Tank | Mass production of Iron 1770’s, Internal combustion engine 1890’s, Diesel Engine 1890’s |  |  |