

**CALIFORNIA CONTENT
STANDARD 11.7.6**

The War Affects Technology and Industry

Specific Objective: Describe major developments in aviation, weaponry, communication, and medicine and the war's impact on the location of American industry and use of resources.

Read the summary to answer questions on the next page.

Effects of World War II

Aviation

- The range, size, and speed of airplanes were increased greatly. U.S. and British air power were decisive factors in the defeat of Germany and Japan.
- Germany first developed jets for military use, as well as rocket-propelled planes.

Military Weapons

- Infrared technology was developed to allow soldiers to see in the dark.
- Because of the importance of air power, huge aircraft carriers were developed.
- The development of the atomic bomb affected warfare and foreign relations. Beginning with the Cold War, the threat of total destruction was used to deter large-scale war.

Communication and Information Technology

- Radar was first used to help defend against air attacks on Great Britain. Later it was used to spot German submarines from the air and direct anti-aircraft guns.
- Computer techniques were used in breaking codes.
- Semiconductors were developed and used in navigation systems and later became a key part of computers.

Medicine

- Penicillin began to be widely used to treat infections and other diseases.
- DDT was developed, which killed insects that carried malaria and typhus.

Distribution of U.S. Industry

- Before World War II, much of the industry in the United States was located in the Northeast and Midwest. With the huge increased need for defense industries, manufacturing facilities were built in the South and West.

Use of Resources

- Nearly all luxury or domestic manufacturing ceased during the war, and industries switched to defense manufacturing. For example, automobile plants shifted to making military vehicles.
- Scarce goods such as meat, shoes, sugar, coffee, and gasoline were rationed.



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Directions: Choose the letter of the *best* answer.

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| <p>1 Jet planes were first developed for use during World War II by</p> <ul style="list-style-type: none"> A Germany. B Great Britain. C Japan. D the United States.
<p>2 Which development in weaponry changed the world the <i>most</i> after World War II?</p> <ul style="list-style-type: none"> A aircraft carriers B the atomic bomb C jet fighters D the submarine
<p>3 How were computer technologies used during World War II?</p> <ul style="list-style-type: none"> A in guiding airplanes B in spotting submarines C to help soldiers see in the dark D in breaking codes | <p>4 Which result was <i>most likely</i> caused by the development of DDT during World War II?</p> <ul style="list-style-type: none"> A a lower malaria rate in Central America B better nutrition in China C a higher literacy rate in Africa D better working conditions in the United States
<p>5 How did industry in the United States change during World War II?</p> <ul style="list-style-type: none"> A It became further concentrated in the Northeast. B It became focused on manufacturing defense products. C Many factories closed down because consumer products were not needed. D There was a lack of capital for new factories to be built.
<p>6 How did the United States handle the need for goods such as shoes, sugar, and gasoline during World War II?</p> <ul style="list-style-type: none"> A Domestic production increased. B Imports from South America increased. C Scarce goods were rationed. D New products were developed. |
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