



Europe Plunges into War

MAIN IDEA

SCIENCE AND TECHNOLOGY
One European nation after another was drawn into a large and industrialized war that resulted in many casualties.

WHY IT MATTERS NOW

Much of the technology of modern warfare, such as fighter planes and tanks, was introduced in World War I.

TERMS & NAMES

- Central Powers
- Allies
- Western Front
- Schlieffen Plan
- trench warfare
- Eastern Front

CALIFORNIA STANDARDS

10.5.2 Examine the principal theaters of battle, major turning points, and the importance of geographic factors in military decisions and outcomes (e.g., topography, waterways, distance, climate).

CST 2 Students analyze how change happens at different rates at different times; understand that some aspects can change while others remain the same; and understand that change is complicated and affects not only technology and politics but also values and beliefs.

CST 3 Students use a variety of maps and documents to interpret human movement, including major patterns of domestic and international migration, changing environmental preferences and settlement patterns, the frictions that develop between population groups, and the diffusion of ideas, technological innovations, and goods.

HI 4 Students understand the meaning, implication, and impact of historical events and recognize that events could have taken other directions.

SETTING THE STAGE By 1914, Europe was divided into two rival camps. One alliance, the Triple Entente, included Great Britain, France, and Russia. The other, known as the Triple Alliance, included Germany, Austria-Hungary, and Italy. Austria-Hungary’s declaration of war against Serbia set off a chain reaction within the alliance system. The countries of Europe followed through on their pledges to support one another. As a result, nearly all of Europe soon joined what would be the largest, most destructive war the world had yet seen.

The Great War Begins

In response to Austria’s declaration of war, Russia, Serbia’s ally, began moving its army toward the Russian-Austrian border. Expecting Germany to join Austria, Russia also mobilized along the German border. To Germany, Russia’s mobilization amounted to a declaration of war. On August 1, the German government declared war on Russia.

Russia looked to its ally France for help. Germany, however, did not even wait for France to react. Two days after declaring war on Russia, Germany also declared war on France. Soon afterward, Great Britain declared war on Germany. Much of Europe was now locked in battle.

Nations Take Sides By mid-August 1914, the battle lines were clearly drawn. On one side were Germany and Austria-Hungary. They were known as the **Central Powers** because of their location in the heart of Europe. Bulgaria and the Ottoman Empire would later join the Central Powers in the hopes of regaining lost territories.

On the other side were Great Britain, France, and Russia. Together, they were known as the Allied Powers or the **Allies**. Japan joined the Allies within weeks. Italy joined later. Italy had been a member of the Triple Alliance with Germany and Austria-Hungary. However, the Italians joined the other side after accusing their former partners of unjustly starting the war.

In the late summer of 1914, millions of soldiers marched happily off to battle, convinced that the war would be short. Only a few people foresaw the horror ahead. One of them was Britain’s foreign minister, Sir Edward Grey. Staring out over London at nightfall, Grey said sadly to a friend, “The lamps are going out all over Europe. We shall not see them lit again in our lifetime.”

TAKING NOTES

Outlining Use an outline to organize main ideas and details.

- I. *The Great War Begins*
 - A.
 - B.
- II. *A Bloody Stalemate*

MAIN IDEA**Recognizing Effects**

A Why was the Battle of the Marne so significant?

of the Germans left the Schlieffen Plan in ruins. A quick victory in the west no longer seemed possible. In the east, Russian forces had already invaded Germany. Germany was going to have to fight a long war on two fronts. Realizing this, the German high command sent thousands of troops from France to aid its forces in the east. Meanwhile, the war on the Western Front settled into a stalemate. **A**

War in the Trenches By early 1915, opposing armies on the Western Front had dug miles of parallel trenches to protect themselves from enemy fire. This set the stage for what became known as **trench warfare**. In this type of warfare, soldiers fought each other from trenches. And armies traded huge losses of human life for pitifully small land gains.

Life in the trenches was pure misery. “The men slept in mud, washed in mud, ate mud, and dreamed mud,” wrote one soldier. The trenches swarmed with rats. Fresh food was nonexistent. Sleep was nearly impossible.

The space between the opposing trenches won the grim name “no man’s land.” When the officers ordered an attack, their men went over the top of their trenches into this bombed-out landscape. There, they usually met murderous rounds of machine-gun fire. Staying put, however, did not ensure one’s safety. Artillery fire brought death right into the trenches. “Shells of all calibers kept raining on our sector,” wrote one French soldier. “The trenches disappeared, filled with earth . . . the air was unbreathable. Our blinded, wounded, crawling, and shouting soldiers kept falling on top of us and died splashing us with blood. It was living hell.”

The Western Front had become a “terrain of death.” It stretched nearly 500 miles from the North Sea to the Swiss border. A British officer described it in a letter:

PRIMARY SOURCE

Imagine a broad belt, ten miles or so in width, stretching from the Channel to the German frontier near Basle, which is positively littered with the bodies of men and scarified with their rude graves; in which farms, villages and cottages are shapeless heaps of blackened masonry; in which fields, roads and trees are pitted and torn and twisted by shells and disfigured by dead horses, cattle, sheep and goats, scattered in every attitude of repulsive distortion and dismemberment.

VALENTINE FLEMING, quoted in *The First World War*

▼ Allied troops crawl through a trench along the Western Front.



The New Weapons of War



Poison Gas

Soldiers wore masks like those shown at left to protect themselves from poison gas. Gas was introduced by the Germans but used by both sides. Some gases caused blindness or severe blisters, others death by choking.

Machine Gun

The machine gun, which fires ammunition automatically, was much improved by the time of World War I. The gun, shown to the left, could wipe out waves of attackers and thus made it difficult for forces to advance.

Tank

The tank, shown to the left, was an armored combat vehicle that moved on chain tracks—and thus could cross many types of terrain. It was introduced by the British in 1916 at the Battle of the Somme.

Submarine

In 1914, the Germans introduced the submarine as an effective warship. The submarine's primary weapon against ships was the torpedo, an underwater missile.

Military strategists were at a loss. New tools of war—machine guns, poison gas, armored tanks, larger artillery—had not delivered the fast-moving war they had expected. All this new technology did was kill greater numbers of people more effectively.

The slaughter reached a peak in 1916. In February, the Germans launched a massive attack against the French near Verdun. Each side lost more than 300,000 men. In July, the British army tried to relieve the pressure on the French. British forces attacked the Germans northwest of Verdun, in the valley of the Somme River. In the first day of battle alone, more than 20,000 British soldiers were killed. By the time the Battle of the Somme ended in November, each side had suffered more than half a million casualties.

What did the warring sides gain? Near Verdun, the Germans advanced about four miles. In the Somme valley, the British gained about five miles.

The Battle on the Eastern Front

Even as the war on the Western Front claimed thousands of lives, both sides were sending millions more men to fight on the **Eastern Front**. This area was a stretch of battlefield along the German and Russian border. Here, Russians and Serbs battled Germans and Austro-Hungarians. The war in the east was a more mobile war than that in the west. Here too, however, slaughter and stalemate were common.

Early Fighting At the beginning of the war, Russian forces had launched an attack into both Austria and Germany. At the end of August, Germany counterattacked near the town of Tannenberg. During the four-day battle, the Germans crushed the

Vocabulary

In war, a *casualty* is anyone killed, injured, captured, or considered missing in action.

invading Russian army and drove it into full retreat. More than 30,000 Russian soldiers were killed.

Russia fared somewhat better against the Austrians. Russian forces defeated the Austrians twice in September 1914, driving deep into their country. Not until December of that year did the Austrian army manage to turn the tide. Austria defeated the Russians and eventually pushed them out of Austria-Hungary.

Russia Struggles By 1916, Russia's war effort was near collapse. Unlike the nations of western Europe, Russia had yet to become industrialized. As a result, the Russian army was continually short on food, guns, ammunition, clothes, boots, and blankets. Moreover, the Allied supply shipments to Russia were sharply limited by German control of the Baltic Sea, combined with Germany's relentless submarine campaign in the North Sea and beyond. In the south, the Ottomans still controlled the straits leading from the Mediterranean to the Black Sea.

The Russian army had only one asset—its numbers. Throughout the war the Russian army suffered a staggering number of battlefield losses. Yet the army continually rebuilt its ranks from the country's enormous population. For more than three years, the battered Russian army managed to tie up hundreds of thousands of German troops in the east. As a result, Germany could not hurl its full fighting force at the west. **B**

Germany and her allies, however, were concerned with more than just the Eastern or Western Front. As the war raged on, fighting spread beyond Europe to Africa, as well as to Southwest and Southeast Asia. In the years after it began, the massive European conflict indeed became a world war.

Social History



The Frozen Front

For soldiers on the Eastern Front, like those shown above, the overall misery of warfare was compounded by deadly winters. "Every day hundreds froze to death," noted one Austro-Hungarian officer during a particularly brutal spell.

Russian troops suffered too, mainly due to their lack of food and clothing. "I am at my post all the time—frozen [and] soaked . . .," lamented one soldier. "We walk barefoot or in rope-soled shoes. It's incredible that soldiers of the Russian army are in rope-soled shoes!"

MAIN IDEA

Synthesizing

B Why was Russia's involvement in the war so important to the other Allies?

SECTION

2

ASSESSMENT

TERMS & NAMES 1. For each term or name, write a sentence explaining its significance.

- Central Powers
- Allies
- Western Front
- Schlieffen Plan
- trench warfare
- Eastern Front

USING YOUR NOTES

2. What were some of the conditions that soldiers on the front lines had to face? (10.5.2)

I. The Great War Begins

A.
B.

II. A Bloody Stalemate

MAIN IDEAS

3. Which countries comprised the Central Powers? Which countries comprised the Allies? (10.5.2)
4. What were the characteristics of trench warfare? (10.5.2)
5. What factors contributed to Russia's war difficulties? (10.5.2)

CRITICAL THINKING & WRITING

6. **COMPARING AND CONTRASTING** How was war on the Western and Eastern Fronts different? How was it the same? (10.5.2)
7. **ANALYZING CAUSES** Why did the Schlieffen Plan ultimately collapse? Cite specific details from the text. (10.5.2)
8. **MAKING INFERENCES** Why might it be fair to say that no one won the battles of the Somme or Verdun? (10.5.2)
9. **WRITING ACTIVITY** **SCIENCE AND TECHNOLOGY** In an **explanatory essay**, describe the effects of the new technology on warfare. Use examples from your reading. (Writing 2.3.f)

CONNECT TO TODAY PRESENTING AN ORAL REPORT

Find an image of a World War I monument from any one of the combatant countries. In an **oral report**, present the image to the class and provide details about its origin and purpose. (Writing 2.6.c)

Military Aviation

World War I introduced airplane warfare—and by doing so, ushered in an era of tremendous progress in the field of military aviation. Although the plane itself was relatively new and untested by 1914, the warring nations quickly recognized its potential as a powerful weapon. Throughout the conflict, countries on both sides built faster and stronger aircraft, and designed them to drop bombs and shoot at one another in the sky. Between the beginning and end of the war, the total number of planes in use by the major combatants soared from around 850 to nearly 10,000. After the war, countries continued to maintain a strong and advanced airforce, as they realized that supremacy of the air was a key to military victory.



▲ A World War I pilot shows off an early air-to-ground communication device.

INTEGRATED TECHNOLOGY

RESEARCH LINKS For more on military aviation go to classzone.com

CALIFORNIA STANDARDS

10.5.2, REP 4



- 1 Designers kept nearly all weight in the center, giving the planes tremendous maneuverability.
- 2 A timing device enabled machine guns to fire through the propeller.
- 3 Engines were continuously strengthened for greater speed and carrying capability.

Two Top Fighter Planes: A Comparison

	Fokker D VII (German)	Sopwith F1 Camel (British)
Length	23 feet	18 feet 8 inches
Wingspan	29 feet 3 inches	28 feet
Maximum Speed	116 mph	122 mph
Maximum Height	22,900 feet	24,000 feet
Maximum Flight Time	1.5 hours	2.5 hours

Connect to Today

1. Drawing Conclusions Why would communication with someone outside the plane be important for pilots of World War I and today?

See Skillbuilder Handbook, Page R11.

2. Comparing Using the Internet and other resources, find out more about a recent innovation with regard to fighter planes and explain its significance.