

# **History Revision Booklet**

## Medicine in Britain and the Western Front

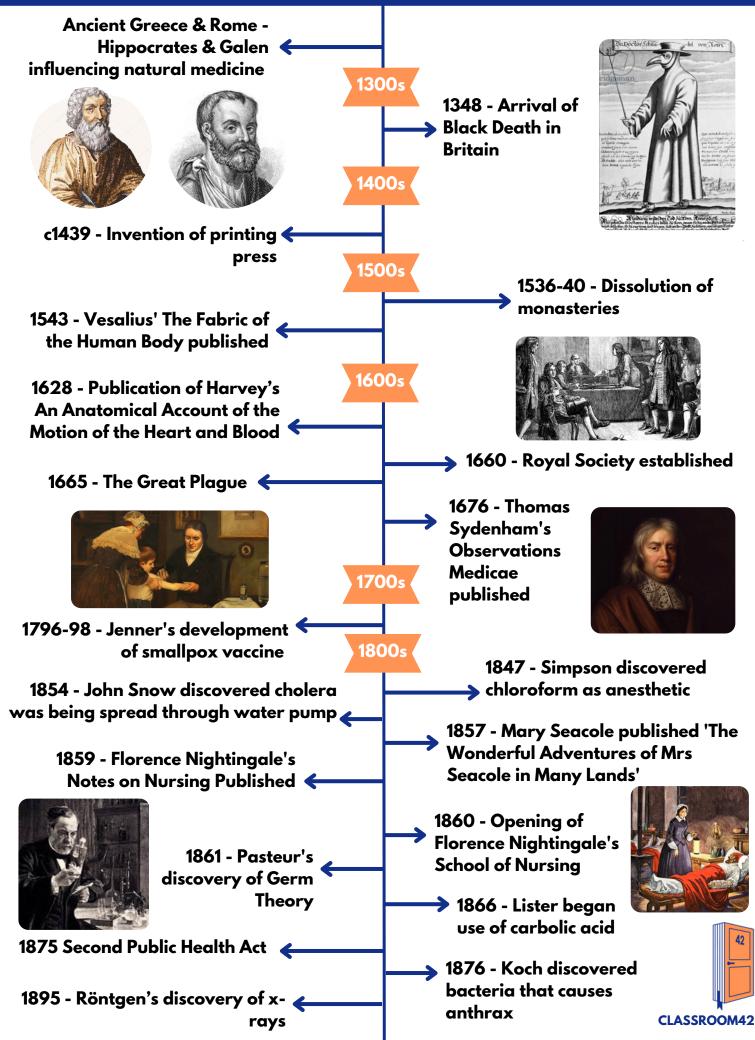
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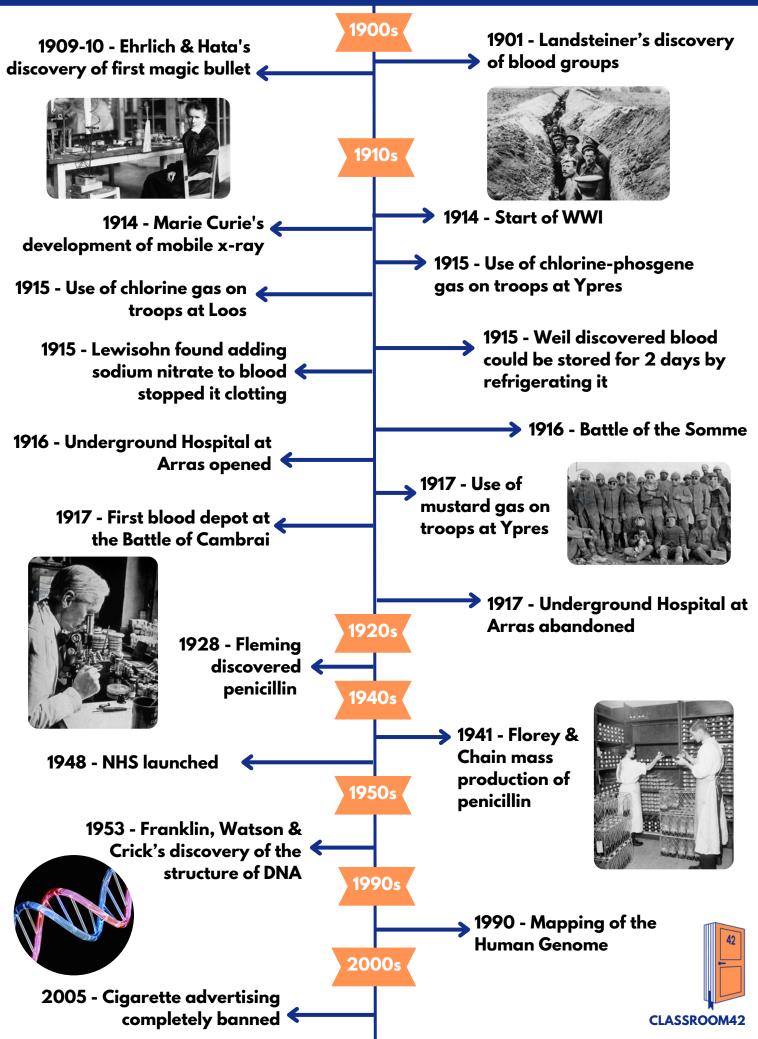


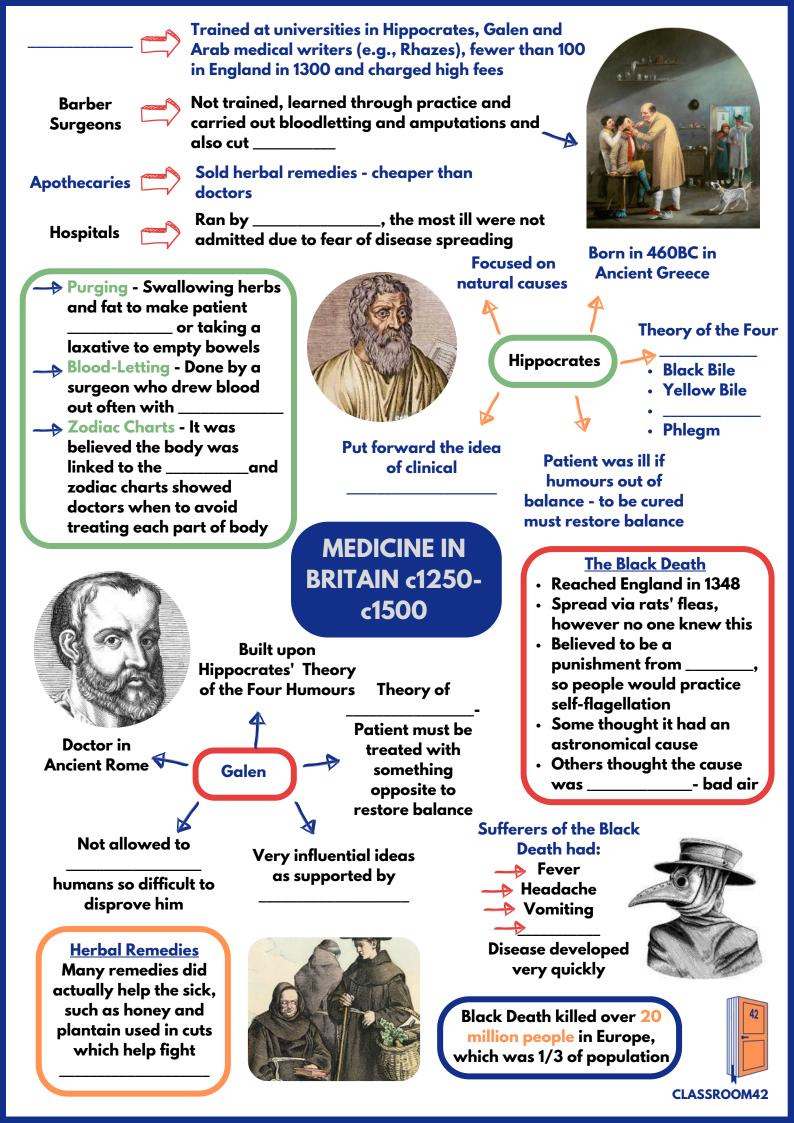
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## MEDICINE IN BRITAIN & THE WESTERN FRONT TIMELINE



## MEDICINE IN BRITAIN & THE WESTERN FRONT TIMELINE





## <u>Medicine in Britain c1250-c1500</u> <u>Quiz Questions</u>

Take 5 minutes to study the Cheat Sheet on this topic, then see how many questions you can get right without looking!



/10

- 1. Hippocrates' Four Humours were....
- 2. What fraction of Europe's population were killed by the black death?

3. What theory did Galen propose, building on Hippocrates ideas?

4. When did the black Death reach England?

5. What was the belief that disease spread through bad air?

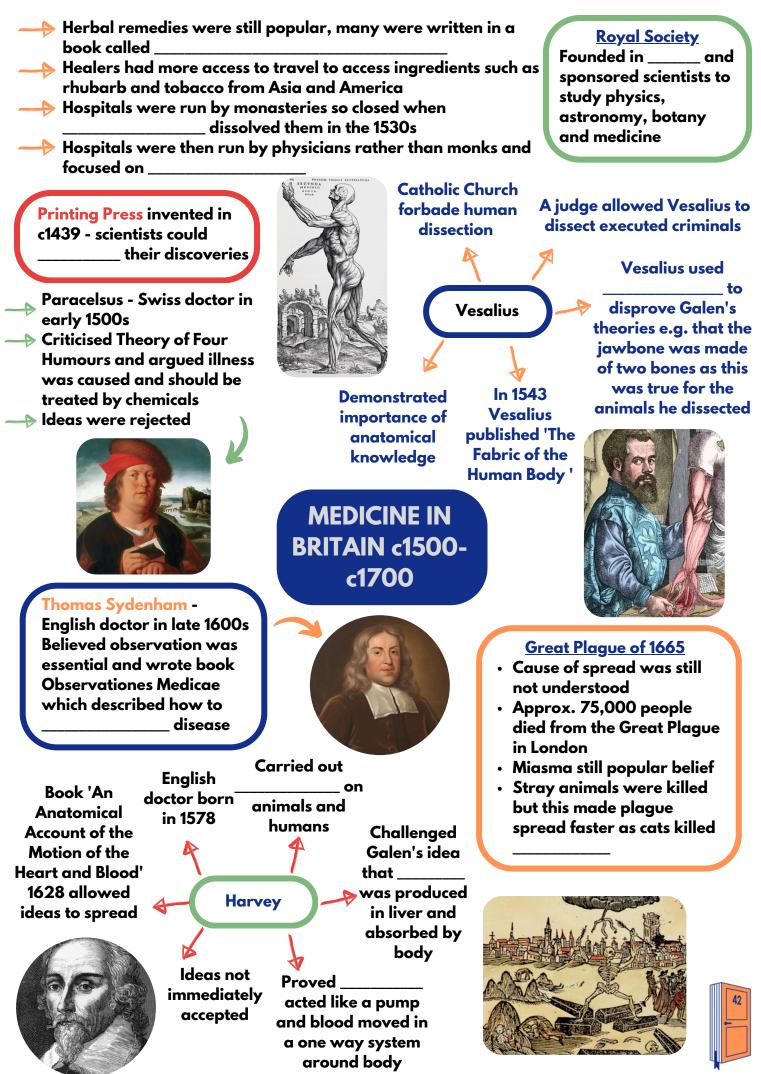
6. What kind of surgeons were untrained and carried out amputations, as well as cutting hair?

7. What did apothecaries sell?

10. Give one symptom of the black death:

<sup>8.</sup> What was the practice of getting patients to swallow herbs and fat to make them sick?

<sup>9.</sup> Who ran hospitals in c1250-c1500?



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## <u>Medicine in Britain c1500-c1700</u> <u>Quiz Questions</u>

Take 5 minutes to study the Cheat Sheet on this topic, then see how many questions you can get right without looking!



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- 1. When was the Royal Society founded?
- 2. Who ran hospitals after 1530s?

3. Name one aspect of the heart that William Harvey proved.

4. Approximately how many people died from the Great Plague in London?

5. What was invented in c1439 that helped medicine develop?

6. What book did Vesalius publish in 1543?

7. True or False? Vesalius used animal dissection to disprove some of Galen's theories.

8. Which doctor wrote the book 'Observationes Medicae'?

9. When did Harvey publish his book 'An Anatomical Account of the Motion of the Heart and Blood'?

10. Which Swiss doctor argued that illness was caused by chemicals and should be treated with chemicals in 1500s?

- In 1842 Chadwick compiled a report on \_\_\_\_\_ conditions of poor citizens
- Argued there should be organised drainage and refuge collection and clean
- 1848 outbreak of cholera pressured government to pass Public Health Act but was not compulsory
- Second Public Health Act 1875 - forced authorities to provide clean water and sewerage systems

In 1847 Simpson first used \_\_\_\_\_\_\_\_\_successfully and was used for childbirth and operations



#### Mary Seacole

- In 1854 she travelled to England and asked to be sent to \_\_\_\_\_\_ to care for soldiers but was refused
- Funded her own trip and established the British Hotel to provide care for soldiers
- In 1857 published 'The Wonderful Adventures of Mrs Seacole in Many Lands'

#### Florence Nightingale

- In 1854 during the Crimean War she went to Turkey and cared for wounded soldiers
- She significantly improved \_\_\_\_\_\_ in the hospital e.g., washing bedding
- She also suggested opening the windows to circulate air and better quality food
- In 1859 wrote 'Notes on Nursing' which was a bestseller

Published \_\_\_\_\_ in 1861 but spontaneous generation belief still popular



#### Robert Koch

- German doctor and microbiologist in late 1800s
- Applied Germ Theory to prove how bacteria caused disease and identified bacteria that caused anthrax, TB and \_\_\_\_\_\_

French chemist

and micro-

biologist in mid-

late 1800s

**Discovered that** 

bacteria could be

killed with heat -

pasteurisation

Louis Pasteur

- Found a way of isolating \_ making it agains for future
- making it easier for future scientists
  Discovered using dyes to stain microbes

MEDICINE IN BRITAIN c1700c1900



Very influential -

had French army vaccinated

vaccinated by 1805

In 1796, Jenner injected James Phipps with pus from a milkmaid's sores, then smallpox - Phipps developed cowpox but not smallpox

**Edward Jenner** 



In 1879 discovered exposing the germ that caused chicken cholera to air weakened it and injecting this weakened version prevented chickens catching the disease vaccine

#### John Snow

Published 'On the Mode of Communication of Cholera' 1849 Cholera outbroak in 1954 in

Cholera outbreak in 1854 in Soho

Discovered a \_

was cause of spread, when pump was removed spread reduced

However, could not explain why cholera was waterborne

Jenner heard \_\_\_\_\_ would not catch smallpox, but a milder form of cowpox



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## <u>Medicine in Britain c1700-c1900</u> <u>Quiz Questions</u>

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1. Who published Germ Theory in 1861?

2. Who applied Germ Theory and identified the bacteria that causes TB, anthrax and cholera?

3. What was successfully used as an anesthetic in 1847 for childbirth and operations?

4. Who first used the anesthetic mentioned above?

5. What did John Snow discover was the cause of a major cholera outbreak in 1854?

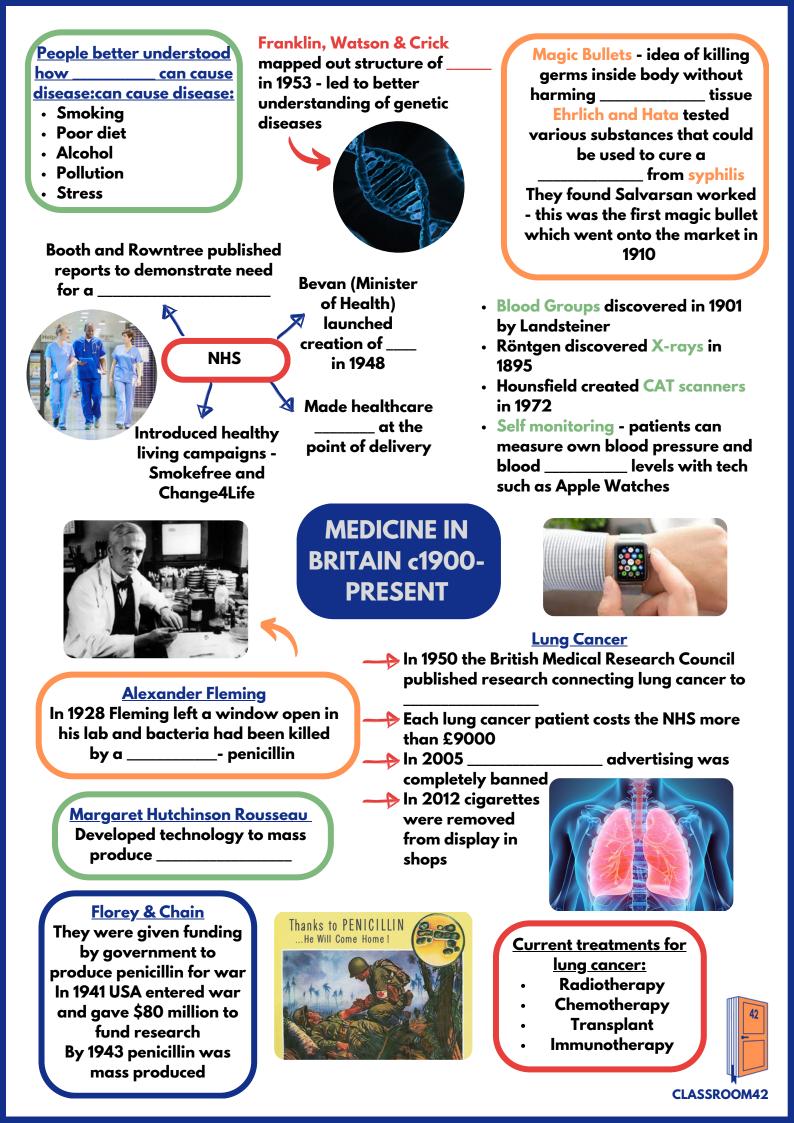
6. Which disease did Jenner create a vaccine for in 1796?

7. What was the name of the child Jenner successfully tested his vaccine on?

8. Name one improvement Florence Nightingale suggested in hospitals during the Crimean War:

9. What was the name of the establishment Mary Seacole opened to help soldiers during the Crimean War?

<sup>10.</sup> When was the Second Public Health Act that forced authorities to provide clean water and sewerage systems?



## <u>Medicine in Britain c1900-Present</u> <u>Quiz Questions</u>

Take 5 minutes to study the Cheat Sheet on this topic, then see how many questions you can get right without looking!



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1. When was the NHS launched?

2. Who discovered blood groups in 1901?

3. Give one current treatment for lung cancer.

4. How much does each lung cancer patient cost the NHS?

5. What did Fleming accidentally discover after leaving a window open in his lab?

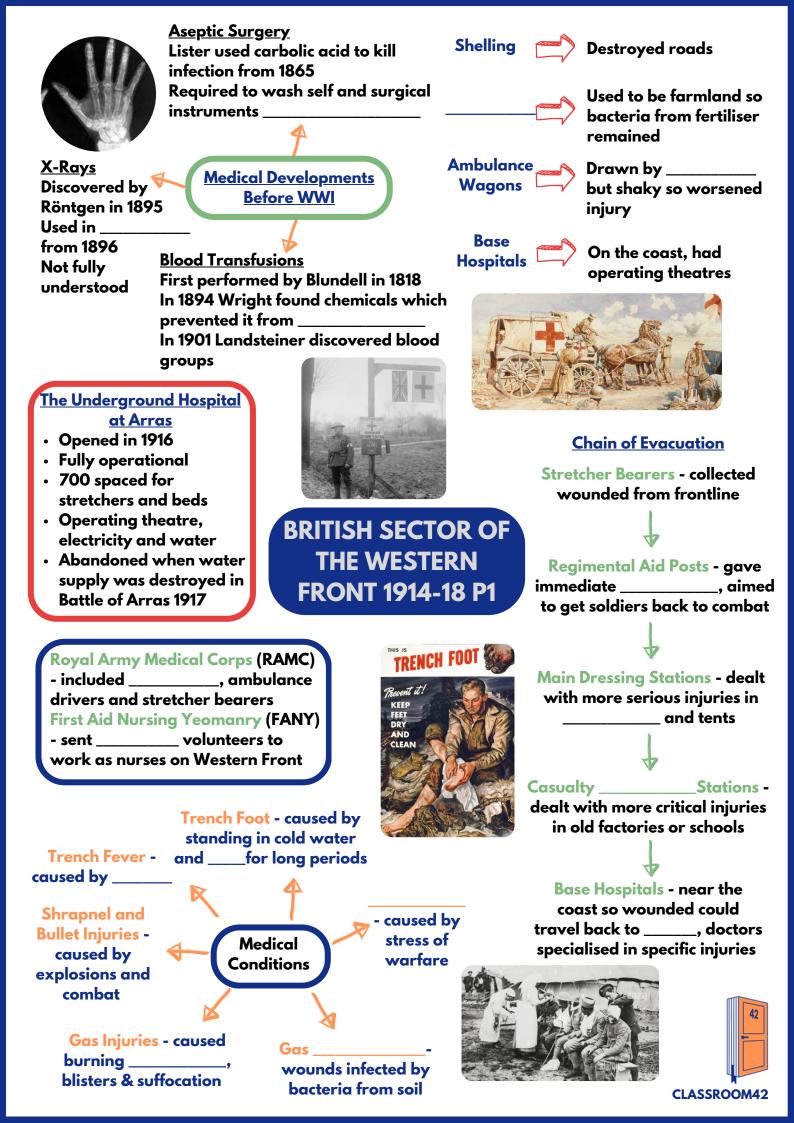
6. Name one individual who published a report demonstrating the need for a welfare state.

7. The first magic bullet helped to cure which disease?

8. Which individuals mapped out the structure of DNA in 1953?

9. Name one lifestyle aspect that is now understood to cause disease.

10. When did Röntgen discover X-rays?



#### <u>3 Ways of Dealing with Infection:</u>

- 1. Debridement removing dead or infected tissue
- 2. Carrel-Dakin Method killed infection using sterilised \_\_\_\_\_\_ solution
- 3.\_\_\_\_\_- removing infected limbs



Blood Banks - in 1915 Lewisohn found adding sodium nitrate to blood prevented it from clotting, and Weil discovered it would be stored for 2 days by refrigerating it

The Battle of Cambrai

- November December 1917
- 1st successful, largescale use of \_\_\_\_\_\_ (nearly 500)
- Advanced on German
   position
- Success limited by lack of infantry



BRITISH SECTOR OF THE WESTERN FRONT 1914-18 P2



<u>The Battle of Passchendaele (3rd</u> <u>Battle of Ypres)</u>

- July November 1917
- British aimed to break out of the Ypres Salient
- The ground was waterlogged due to bad weather; many men
   \_\_\_\_\_\_ in the mud
  - 245,000 British casualties

#### The Battle of the Arras

- April May 1917
- With help from New Zealand, Britain dug a network of underground caves at Arras
- 24,000 British troops attacked from the tunnels
- Nearly 16,000 British and Canadian casualties

Thomas Splint kept limbs and joints
 \_\_\_\_\_ during surgery wounded soldiers often died from
 wounds in legs if not kept still as lost
 so much blood and infections
 Improved survival rates from \_\_\_\_\_\_
 injuries from 20% to 82%

- Blood Transfusions used from
   1915 on Western Front
   A British doctor in RAMC Keynes
  - designed a portable kit so could be carried out near \_\_\_\_\_

Marie Curie - spent WWI building mobile \_\_\_\_\_ units to be used to detect shrapnel on the frontline

#### <u>1st Battle of Ypres</u>

- Oct-Nov 1914
- Salient = 3 sides of the area surrounded by enemy
- British lost >50,000 troops

#### The 2nd Battle of Ypres

- April May 1915
- British unprepared for use of \_\_\_\_\_ as a weapon
- Used urine-soaked cloths as gas masks
- British lost 59,000 troops

#### The Battle of the Somme

- July November 1916
- 20,000 British troops died on the 1st day of the battle
- >400,000 British soldiers died altogether





## British Sector of the Western Front Quiz Questions

Take 5 minutes to study the Cheat Sheets on this topic, then see how many questions you can get right without looking!



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- 1. When did the Underground Hospital of Arras open?
- 2. What is the first step in the chain of evacuation?
- 3. What does RAMC stand for?
- 4. What was gas gangrene caused by?
- 5. Why were ambulance wagons problematic?
- 6. What was the Carrel-Dakin Method?

7. Who kept limbs and joints still in surgery which greatly increased survival rates of leg injuries?

8. What did soldiers used as masks when they did not have gas masks during 2nd Battle of Ypres?

9. What could be added to blood to prevent it from clotting for blood banks?

10. Which scientist built mobile x-ray units to be used on the frontline?