

History Revision Booklet

Medicine in Britain and The Western Front

Name:

Class:



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MEDICINE IN BRITAIN & WESTERN FRONT TIMELINE



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<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!



- 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:

/10

^{8.} What was the practice of getting patients to swallow herbs and fat to make them sick?

^{9.} Who ran hospitals in c1250-c1500?



- Herbal remedies were still popular, many were written in a book called The Complete Herbal
- Healers had more access to travel to access inaredients such as rhubarb and tobacco from Asia and America
- Hospitals were run by monasteries so closed when Henry VIII

Royal Society Founded in 1660 and sponsored scientists to study physics. astronomy, botany

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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!



- 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 living conditions of poor citizens
- Argued there should be organised drainage and refuge collection and clean water
- 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 chloroform successfully and was used for childbirth and operations



Mary Seacole

- In 1854 she travelled to England and asked to be sent to Crimea 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 hygiene 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 Germ Theory in 1861 but spontaneous aeneration belief still popular



Robert Koch

- left for the second s 1800s
- Applied Germ Theory to prove how bacteria caused disease and identified bacteria that caused anthrax, TB and cholera
- Found a way of isolating bacteria making it easier for future scientists



John Snow

Published 'On the Mode of **Communication of Cholera'**

Plotted Cholera outbreak in

Discovered a water pump

was cause of spread, when

pump was removed spread

However, could not explain

not catch smallpox, but a

milder form of cowpox

1849

1854 in Soho

why cholera was

waterborne

reduced

Discovered using dyes to stain microbes

MEDICINE IN BRITAIN c1700c1900



Very influential Napoleon had French army

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





Louis Pasteur

Discovered that

bacteria could be

killed with heat -

pasteurisation

French chemist

and micro-

biologist in mid-

late 1800s



prevented chickens catching the disease vaccine

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<u>Medicine in Britain c1700-c1900</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!



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?

/10

^{10.} 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!



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?

/10



Aseptic Surgery Lister used carbolic acid to kill infection from 1865 Required to wash self and surgical instruments sterilised

X-Rays Discovered by Röntgen in 1895 **Used in hospitals** from 1896 Not fully understood

Medical Developments Before WWI Blood Transfusions

First performed by Blundell in 1818 In 1894 Wright found chemicals which prevented it from clotting In 1901 Landsteiner discovered blood

<u> The Underground Hospital</u> at Arras

groups

Opened in 1916

- Fully operational
- 700 spaced for stretchers and beds
- Operating theatre. electricity and water
- Abandoned when water supply was destroyed in **Battle of Arras 1917**



BRITISH SECTOR OF THE WESTERN FRONT 1914-18 P1

Royal Army Medical Corps (RAMC) - included doctors, ambulance drivers and stretcher bearers **First Aid Nursing Yeomanry** (FANY) - sent women volunteers to work as nurses on Western Front



Trench Fever caused by lice

Shrapnel and Bullet Injuries caused by explosions and combat

Trench Foot - caused by standing in cold water and mud for long periods

Medical

Conditions

Shellshock caused by stress of warfare





Destroyed roads

Used to be farmland so

Shelling



Chain of Evacuation

Stretcher Bearers - collected wounded from frontline

Regimental Aid Posts - gave immediate first aid, aimed to aet soldiers back to combat

Main Dressing Stations - dealt with more serious injuries in bunkers and tents

Casualty Clearing Stations dealt with more critical injuries in old factories or schools

Base Hospitals - near the coast so wounded could travel back to Britain. doctors specialised in specific injuries

Gas Injuries - caused burning skin, blisters & suffocation

Gas Gangrene wounds infected by bacteria from soil

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

- 1. Debridement removing dead or infected tissue
- 2. Carrel-Dakin Method killed infection using sterilised salt solution
- 3. Amputation 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 tanks (nearly 500)
- Advanced on German position
- Success limited by lack of infantry



BRITISH SECTOR OF THE WESTERN FRONT 1914-18 P2



still 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 leg injuries from 20% to 82%

Blood Transfusions - used from 1915 on Western Front

Thomas Splint kept limbs and joints

 A British doctor in RAMC - Keynes
- designed a portable kit so could be carried out near front-line

Marie Curie - spent WWI building mobile x-rays 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 gas 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 used the creeping barrage = launching artillery from the trenches just in front of advancing British troops





The Battle of Passchendaele (3rd Battle of Ypres)

- July November 1917
- British aimed to break out of the Ypres Salient
- The ground was waterlogged due to bad weather; many men drowned 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

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!



- 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?

Paper 1 - Question 1



1. Describe two features of ...

4 Marks

- Identify one valid feature = 1 Mark
- Give supporting evidence for the feature names, dates, events, places, statistics = 1 Mark
- Do this twice for two different features
- Keep it brief don't forget it is only worth 4 marks!

Use this guide and your own knowledge to answer the question below:

 Describe two features of the evacuation route which helped injured soldiers to be treated quickly. (4 marks)

Paper 1 - Question 2a



2a. How useful are sources a & b for an enquiry into...



Answer Structure:

2 x CONC paragraphs: 1 on first source and 1 on second source

- C Content
- O Own Knowledge
- N Nature, Origin & Purpose (NOP)
- **C** Conclusion

Content - What can you learn/infer from the source describe key points of source and what they tell us

Own Knowledge - Is the content of the source accurate? I know this to be accurate/inaccurate because...

NOP - How does the nature, origin and purpose of the source effect the usefulness.

Be specific! Think about who wrote the source, what their intentions were, what form the source is and what date it was published

Conclusion - Final sentence of paragraph to make a judgement on the usefulness of the source for the enquiry - Therefore, this source is extremely/somewhat/fairly useful because...

Does not need a separate introduction and conclusion, and you do not need to compare the sources

Source A

An extract from a letter, sent by a soldier on the British Western Front in 1915.

Dear Bert,

To tell you the truth, while writing this letter I am wet through to the skin and not a dry thing for a change. We have got our winter fur coats and gum boots, but the latter cause more curses than you can imagine, for instance last night I was sent off to select dugouts for our platoon, which is number 37. It was pitch dark, no light allowed and in a strange place, well honestly I fell over at least 20 times got smothered in mud from head to feet and on the top of that wet though for it rained in torrents.

While in the trenches last week John and I were up to our knees in water and got our gum boots half full. The line is a bit quiet lately and only now and again do we get a shelling, but one gets used to it. That, to give you an idea, is like sitting at Paddington and hearing the engines screech.

[https://www.nationalarchives.gov.uk/education/resource s/letters-first-world-war-1915/trenches-knees-water/]

Source B

A photograph of British soldiers standing in deep water in the trenches. The photographer is not known.



[https://www.theworldwar.org/learn/wwi/trenches]



Use this guide and your own knowledge to plan your answer for the question below:

2a. Study Sources A and B.

How useful are Sources A and B for an enquiry into conditions for soldiers in trenches on the Western Front?

Explain your answer, using Sources A and B and your knowledge of the historical context. (8 marks)

Source A:	Source B:
Content of Source:	Content of Source:
\rightarrow	\rightarrow
	>
Own Knowledge:	Own Knowledge:
	>
	>
Nature, Origin, Purpose:	Nature, Origin, Purpose:
Nature —>	Nature —>
Origin —	Origin — - >
Purpose —>	Purpose —>
Conclusion:	Conclusion:
Circle your conclusion	Circle your conclusion
This source is fairly, somewhat, very, extremely useful.	This source is fairly, somewhat, very, extremely useful.

Plan your answer using the prompts below:



Use this guide and your own knowledge to answer the question below:

2a. Study Sources A and B.

How useful are Sources A and B for an enquiry into conditions for soldiers in trenches on the Western Front?

Explain your answer, using Sources A and B and your knowledge of the historical context. (8 marks)

Paper 1 - Question 2b





2b. How could you follow up Source A/B to find out more about...

<u>Detail in Source A that I would follow up:</u>

1 Mark = Selecting a detail in the source that could be followed up

Question I would ask:

1 Mark = A question this detail is linked to - specific to source

<u>What type of source I could use:</u>

1 Mark = Identifying an appropriate source that could answer your question

<u>How this might help answer my question:</u>

1 Mark = Explain why this source would help to answer you answer your follow-up question



Use this guide and your own knowledge to answer the question below:

Study Source A.

How could you follow up Source A to find out more about medical conditions on the Western Front?

In your answer, you must give the question you would ask and the type of source you could use.

> Complete the following questions. (4 marks)

Detail in Source A that I would follow up:

Question I would ask:

What type of source I could use:

How this might help answer my question:



Point - One way in which X is similar/different to Y is ...

Evidence - Stats, Places, Events, Names, Dates for X

Explain - Explain X

Evidence - Stats, Places, Events, Names, Dates for Y

Explain - Explain X

Link - Link X and Y together and decide if they are the same/different

You only need one paragraph, don't forget this is only worth 4 marks so it doesn't need as much detail as the higher mark questions



Use this guide and your own knowledge to plan your answer for the question below:

3. Explain one way in which treatment of plague was similar in medieval Britain to the early modern period. (4 marks)

This question is only worth 4 marks so bullet point 1-3 words for each prompt

1st Point:

 \rightarrow

1st Evidence:

 \rightarrow

1st Explain:

 \rightarrow

2nd Point:

 \rightarrow

2nd Evidence:

 \rightarrow

2nd Explain:

 \rightarrow

Link:

 \rightarrow



Use this guide and your own knowledge to answer the question below:

3. Explain one way in which treatment of plague was similar in medieval Britain to the early modern period. (4 marks)

Paper 1 - Question 4



12 Marks

4. Explain why.... You may use the following in your answer: - Point X - Point Y

3 PEEL paragraphs: one on point X, one on point Y and 1 on your own idea

P - Point E - Evidence E - Explain L - Link

Point - One reason for [wording of question] is ... Make sure to do one paragraph for each of the given points, and one paragraph on a point of your own

Evidence - Stats, Places, Events, Names, Dates

Explain - Show how this evidence links your point to the question

Link - Link back to the question

Does not need a separate introduction and conclusion

Use this guide and your own knowledge to plan your answer for the question below:

Explain why approaches to treatment changed in the period c1700c1900. You may use the following in your answer: - Florence Nightingale - James Simpson You must also use information of your own. (12 marks)





Use this guide and your own knowledge to answer the question below:

Explain why approaches to treatment changed in the period c1700c1900. You may use the following in your answer: - Florence Nightingale - James Simpson You must also use information of your own. (12 marks)

Paper 1 - Question 5/6



16 Marks +4 SPaG

5/6. [Statement] How far do you agree? You may use the following in your answer: - Point X - Point Y

3 PEEL paragraphs: one on point X, one on point Y and one on your own point - this can either be two points agreeing and one point disagreeing with the statement, or vice versa

Intro - One or two sentences - wording of question, give the three points you are going to make and give your judgement

Point - Make sure to do one paragraph for each of the factors given in the question, and one paragraph on a point of your own

Evidence - Stats, Places, Events, Names, Dates

Explain - Show how this evidence links your point to the question

Link - Show how this evidence links your point to the question, and add a mini judgement e.g. Therefore I agree/disagree with [Statement] because [Point]

Conclusion - Briefly explain whether you agree or disagree with the statement - why this factor was most convincing and why other was not

4 Marks for SPaG - Make sure you read through your answer and check for any spelling or grammatical mistakes and include key terminology

Use this guide and your own knowledge to plan your answer for the question below:

'The work of Vesalius was the most significant factor in the progression of medical knowledge in the years c1500-c1700 .' How far do you agree? Explain your answer.

> You may use the following in your answer: - Vesalius' book, The Fabric of the Human Body - The invention of the printing press

You must also use information of your own. (16 marks + 4 marks for SPaG)





Use this guide and your own knowledge to answer the question below:

'The work of Vesalius was the most significant factor in the progression of medical knowledge in the years c1500-c1700 .' How far do you agree? Explain your answer.

> You may use the following in your answer: - Vesalius' book, The Fabric of the Human Body - The invention of the printing press

You must also use information of your own. (16 marks + 4 marks for SPaG)