

<p><b>Galen (p. 12)</b>  <i>Time period:</i>  <i>Theme (disease and infection/surgery and anatomy/public health):</i></p> <p><i>Max. of three major discoveries:</i></p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul> <p><i>Impact (use + to show progress, - to show regress):</i></p> <p><i>Explain linked factors (other than individuals):</i></p>	<p><b>Andreas Vesalius (pp.22-23)</b>  <i>Time period:</i>  <i>Theme (disease and infection/surgery and anatomy/public health):</i></p> <p><i>Max. of three major discoveries:</i></p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul> <p><i>Impact (use + to show progress, - to show regress):</i></p> <p><i>Explain linked factors (other than individuals):</i></p>
<p><b>Ambroise Pare (p.24)</b>  <i>Time period:</i>  <i>Theme (disease and infection/surgery and anatomy/public health):</i></p> <p><i>Max. of three major discoveries:</i></p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul> <p><i>Impact (use + to show progress, - to show regress):</i></p> <p><i>Explain linked factors (other than individuals):</i></p>	<p><b>Edward Jenner (pp. 30-31)</b>  <i>Time period:</i>  <i>Theme (disease and infection/surgery and anatomy/public health):</i></p> <p><i>Max. of three major discoveries:</i></p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul> <p><i>Impact (use + to show progress, - to show regress):</i></p> <p><i>Explain linked factors (other than individuals):</i></p>
<p><b>John Snow (p. 42)</b>  <i>Time period:</i>  <i>Theme (disease and infection/surgery and anatomy/public health):</i></p> <p><i>Max. of three major discoveries:</i></p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul> <p><i>Impact (use + to show progress, - to show regress):</i></p> <p><i>Explain linked factors (other than individuals):</i></p>	<p><b>James Simpson (pp. 32-33)</b>  <i>Time period:</i>  <i>Theme (disease and infection/surgery and anatomy/public health):</i></p> <p><i>Max. of three major discoveries:</i></p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul> <p><i>Impact (use + to show progress, - to show regress):</i></p> <p><i>Explain linked factors (other than individuals):</i></p>

**Louis Pasteur (p. 24, 26, 39)**

*Time period:*

*Theme (disease and infection/surgery and anatomy/public health):*

*Max. of three major discoveries:*

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*Impact (use + to show progress, - to show regress):*

*Explain linked factors (other than individuals):*

**Robert Koch (pp. 38-39)**

*Time period:*

*Theme (disease and infection/surgery and anatomy/public health):*

*Max. of three major discoveries:*

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*Impact (use + to show progress, - to show regress):*

*Explain linked factors (other than individuals):*

**Joseph Lister (pp. 34-35)**

*Time period:*

*Theme (disease and infection/surgery and anatomy/public health):*

*Max. of three major discoveries:*

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*Impact (use + to show progress, - to show regress):*

*Explain linked factors (other than individuals):*

**Alexander Fleming (pp. 44-45)**

*Time period:*

*Theme (disease and infection/surgery and anatomy/public health):*

*Max. of three major discoveries:*

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*Impact (use + to show progress, - to show regress):*

*Explain linked factors (other than individuals):*

<p><b>Hippocrates (p.12)</b>  <i>Time period:</i>  <i>Theme (disease and infection/surgery and anatomy/public health):</i></p> <p><i>Max. of three major discoveries:</i></p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul> <p><i>Impact (use + to show progress, - to show regress):</i></p> <p><i>Explain linked factors (other than individuals):</i></p>	<p><b>Ibn Sina (Avicenna) (p.15)</b>  <i>Time period:</i>  <i>Theme (disease and infection/surgery and anatomy/public health):</i></p> <p><i>Max. of three major discoveries:</i></p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul> <p><i>Impact (use + to show progress, - to show regress):</i></p> <p><i>Explain linked factors (other than individuals):</i></p>
<p><b>John Bradmore</b>  <i>Time period: Medieval</i>  <i>Theme (disease and infection/surgery and anatomy/public health): <b>Surgery and anatomy</b></i>  <i>Max. of three major discoveries:</i></p> <ul style="list-style-type: none"> <li>• <b>Developed the Bradmore Screw, a sophisticated way of removing arrow heads cleanly from wounds.</b></li> <li>• <b>Saved the life of Prince Henry (later Henry V) which meant his work was influential.</b></li> <li>• <b>Tools like that are still used today.</b></li> </ul> <p><i>Impact (use + to show progress, - to show regress):</i>  <b>+New surgical techniques show that Medieval Period was not backwards (although most surgeons were not this good).</b></p> <p><i>Explain linked factors (other than individuals):</i>  <b>Science and Technology – Bradmore needed sophisticated metalworking to design and create the screw which was made to measure.</b></p>	<p><b>William Harvey (pp. 24-25)</b>  <i>Time period:</i>  <i>Theme (disease and infection/surgery and anatomy/public health):</i></p> <p><i>Max. of three major discoveries:</i></p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul> <p><i>Impact (use + to show progress, - to show regress):</i></p> <p><i>Explain linked factors (other than individuals):</i></p>
<p><b>John Hunter (p. 28)</b>  <i>Time period:</i>  <i>Theme (disease and infection/surgery and anatomy/public health):</i></p> <p><i>Max. of three major discoveries:</i></p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul> <p><i>Impact (use + to show progress, - to show regress):</i></p> <p><i>Explain linked factors (other than individuals):</i></p>	<p><b>Joseph Bazalgette (p. 42)</b>  <i>Time period:</i>  <i>Theme (disease and infection/surgery and anatomy/public health):</i></p> <p><i>Max. of three major discoveries:</i></p> <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul> <p><i>Impact (use + to show progress, - to show regress):</i></p> <p><i>Explain linked factors (other than individuals):</i></p>

## Florence Nightingale

Time period: **19<sup>th</sup> century/Industrial Period**

Theme (disease and infection/surgery and anatomy/public health): **Public health/disease and infection**

Max. of three major discoveries:

- **Devised new methods and a higher standard of cleanliness in hospitals (did it first at Scutari hospital during the Crimean War).**
- **Boosted the reputation of nurses by high expectations.**
- **Wrote 'Notes on Nursing' which became the most important book on nursing at the time.**

Impact (use + to show progress, - to show regress):

+Before Nightingale nurses had a reputation as thieves and drunkards. Her disciplined approach changed this completely.

-Believed in miasma theory.

Explain linked factors (other than individuals):

**War – the Crimean War gave Nightingale a rare opportunity to prove her skills. The soldiers called her the 'lady with the lamp'**

## Florey and Chain (p. 46)

Time period:

Theme (disease and infection/surgery and anatomy/public health):

Max. of three major discoveries:

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Impact (use + to show progress, - to show regress):

Explain linked factors (other than individuals):

## Crick and Watson (p. 48)

Time period:

Theme (disease and infection/surgery and anatomy/public health):

Max. of three major discoveries:

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Impact (use + to show progress, - to show regress):

Explain linked factors (other than individuals):

## Henry de Mondeville

Time period: **Medieval Period**

Theme (disease and infection/surgery and anatomy/public health): **Disease and infection/Surgery and anatomy**

Max. of three major discoveries:

- **Challenged Galen's ideas on pus. Galen thought that pus showed that a wound was healing, so Galen encouraged a build up of pus.**
- **Henry de Mondeville thought that pus was a sign of infection and told people to wash wounds with wine.**

Impact (use + to show progress, - to show regress):

**+Had the courage to challenge Galen**

**-Was not influential because these ideas went against the Catholic Church's support for Galen.**

Explain linked factors (other than individuals):

**Religion and superstition – had too much control over ideas in the Medieval period.**

## Ibn al Nafis (p. 15)

Time period:

Theme (disease and infection/surgery and anatomy/public health):

Max. of three major discoveries:

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Impact (use + to show progress, - to show regress):

Explain linked factors (other than individuals):

## Edwin Chadwick (p. 42)

Time period:

Theme (disease and infection/surgery and anatomy/public health):

Max. of three major discoveries:

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Impact (use + to show progress, - to show regress):

Explain linked factors (other than individuals):

## Harold Gillies (p. 50)

Time period:

Theme (disease and infection/surgery and anatomy/public health):

Max. of three major discoveries:

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Impact (use + to show progress, - to show regress):

Explain linked factors (other than individuals):

## Rosalind Franklin

Time period: **20<sup>th</sup> century**

Theme (disease and infection/surgery and anatomy/public health): **Disease and infection**

Max. of three major discoveries:

- **Researched the structure of DNA using X-rays.**
- **Worked out that it had a double helix structure.**
- **DNA is another cause of hereditary diseases (e.g. Parkinson's)**

Impact (use + to show progress, - to show regress):

**+ Crick and Watson copied Franklin's ideas to make their DNA breakthrough.**

Explain linked factors (other than individuals):

**Science and Technology – use of high powered x-rays to work out structure of DNA.**

## Christiaan Barnard

Time period: **20<sup>th</sup> century**

Theme (disease and infection/surgery and anatomy/public health): **Surgery and anatomy**

Max. of three major discoveries:

- **Conducted first successful heart transplant in South Africa in 1967.**
- **Patient died after 18 days because of pneumonia.**
- **Proved that heart transplant were possible and, now, they are very common.**

Impact (use + to show progress, - to show regress):

**+ First British heart transplant was in 1968.**

Explain linked factors (other than individuals):

**Communication – Barnard's techniques were recorded and used by surgeons around the world**

