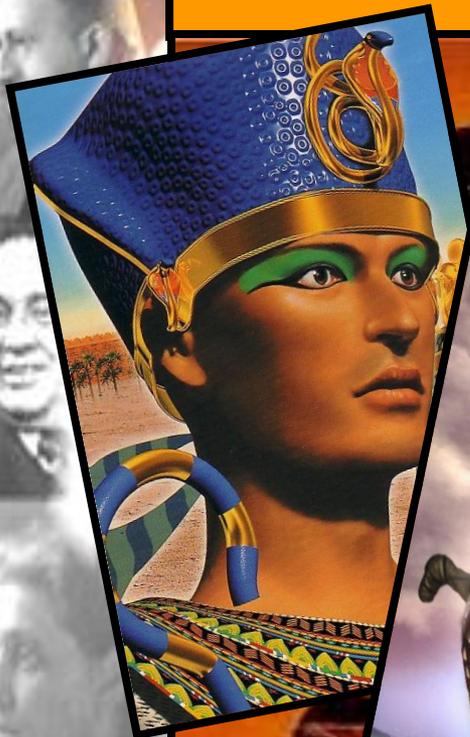
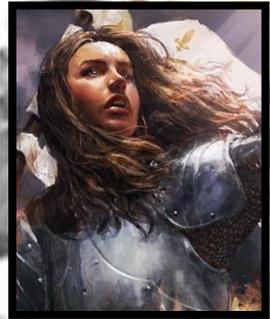


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Dawn of Dirt



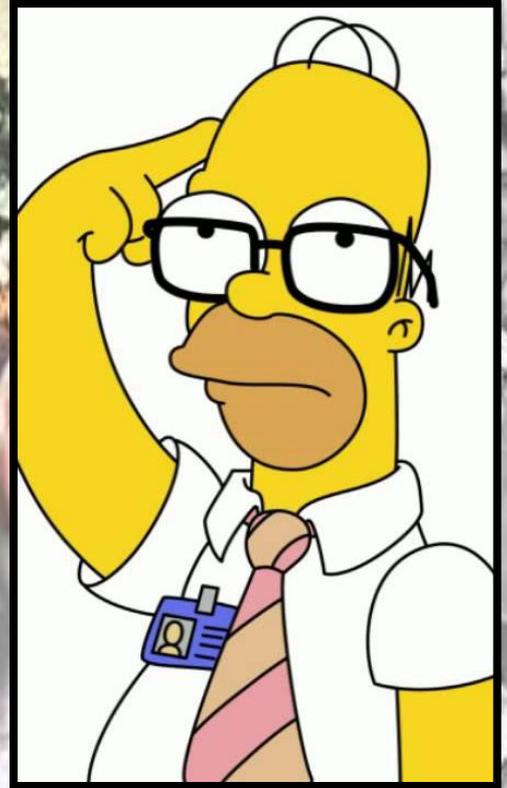


TODAY'S UNIT & LESSON



Lesson 15

(MW 1.15)



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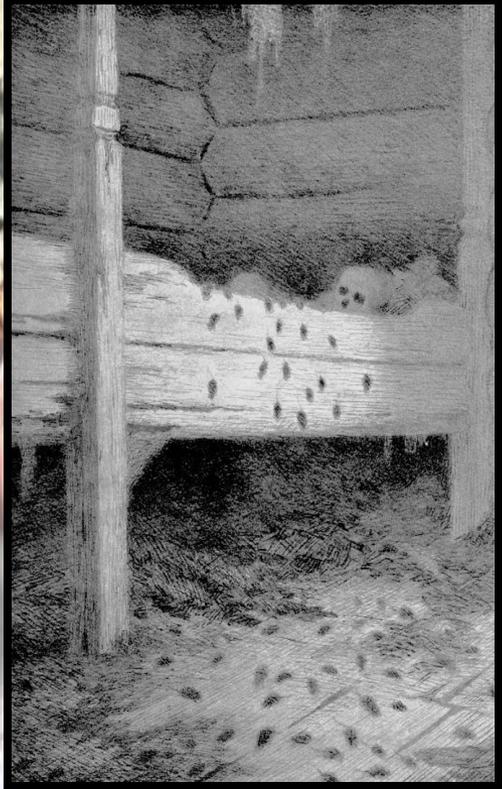


EDWARDIAN WAR:

Black Death

The Edwardian War phase came to a halt for several years due in part to the spread of the Black Death, which **ravaged Europe from 1347-1351.**

It **killed between 75-200 million people. One-third of Europe's population (25 million) died.**



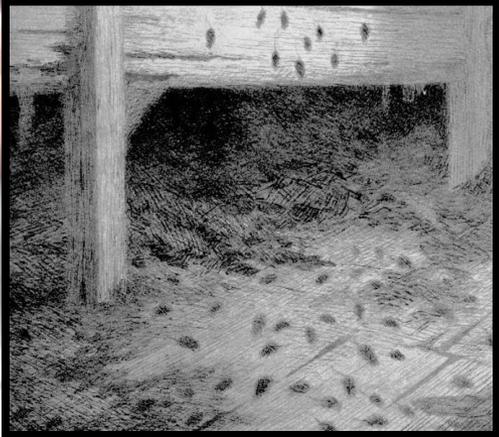
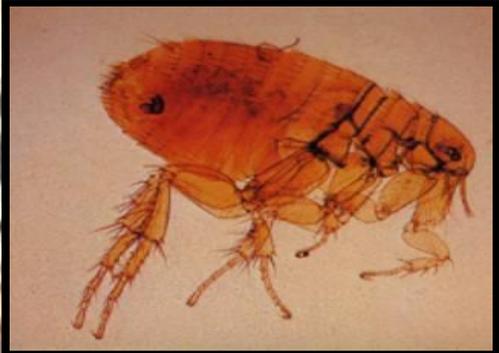


EDWARDIAN WAR:

Black Death

Also known as the Black Death, the Bubonic Plague, the Pestilence, or the Great Mortality, the Black Plague can be traced to China.

The **culprits** were **fleas living on black rats** that got aboard trading ships.



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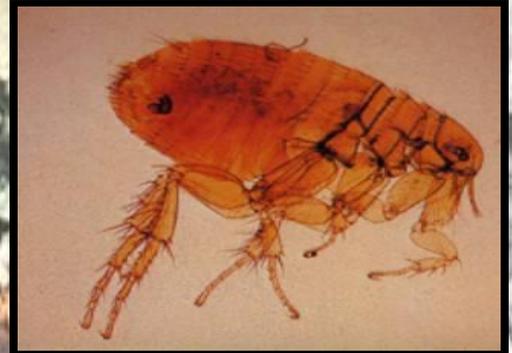
EDWARDIAN WAR:

Black Death

These ships sailed from China to Italian and African ports.

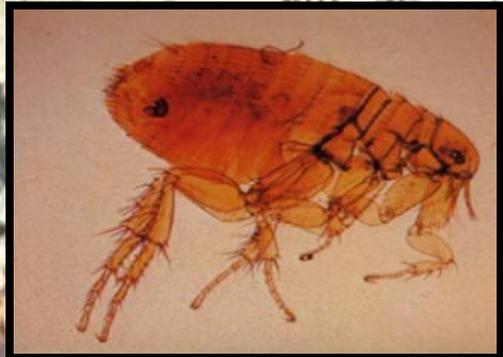
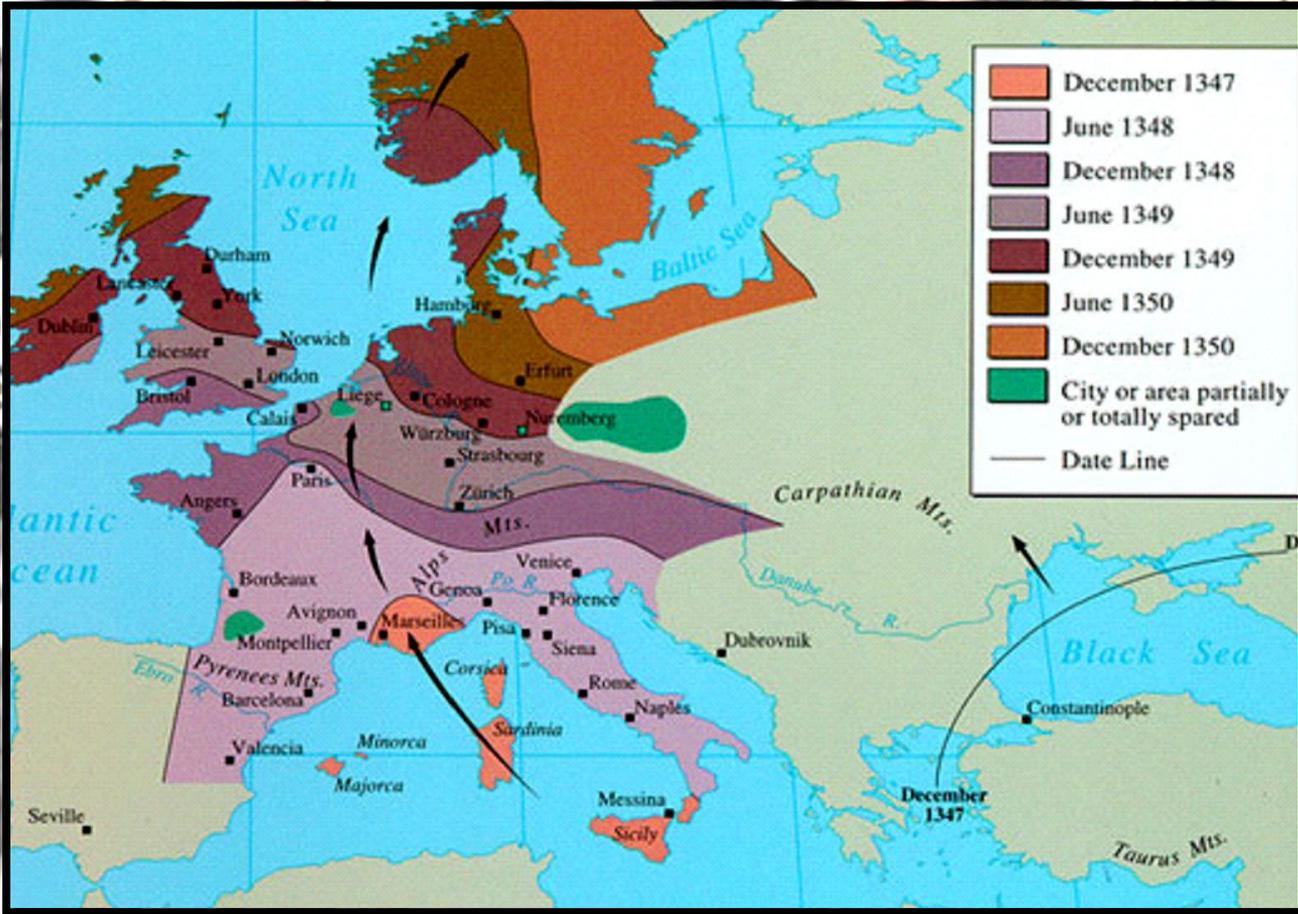
Once unloaded, the **fleas** on the black rats **found new hosts: humans.**

In less than 4 years, the plague swept across all of Europe.



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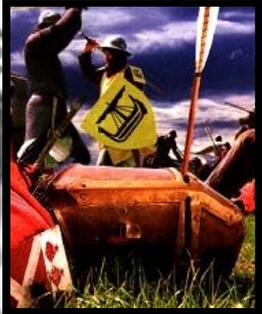




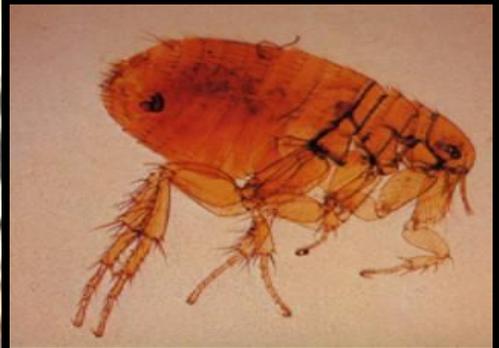
EDWARDIAN WAR:

Black Death

Of course, there are almost 6,000 *documented* cases of the plague around the world a year (of which approximately 300 are fatal).



The **plague** came in **3 forms** (all are still around today):





1. Bubonic plague

The best-known form, it is characterized by buboes (enlarged, **inflamed lymph nodes**) in the **groin, armpit, or neck**.

Bubonic plague is transmitted by the **bite of parasitic insects** on rodents that seek new hosts when the rodent dies.



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1. Bubonic plague

The first symptoms are headache, nausea, vomiting, aching joints, and a general feeling of ill health.

The lymph nodes of the groin, the armpit, or neck suddenly become painful and swollen.



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1. Bubonic plague

The **temperature**, accompanied by shivering, **rises** to between **101° and 105° F.**

The pulse rate and respiration rate are increased, and the victim becomes exhausted.

The buboes swell to a chicken egg in size.



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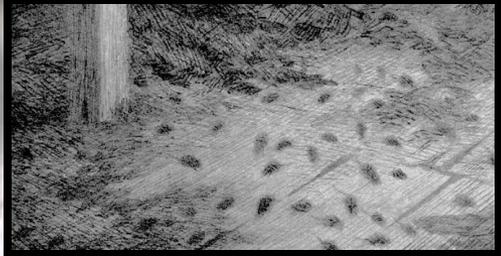




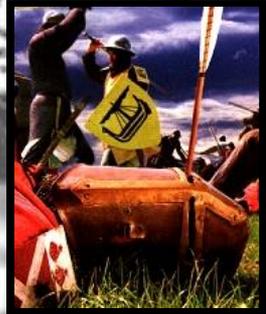
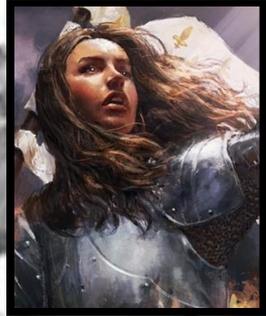
1. Bubonic plague

Untreated bubonic plague is **30-75% fatal** in all cases.

Left alone, **death** results in **4 days**.



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2. Pneumonic plague

Targets the lung.

This plague is most often transmitted by **droplets** sprayed **from** the **mouth** of infected persons.

The **mucus** is first slimy and tinted with blood; later becomes **free-flowing and bright red.**



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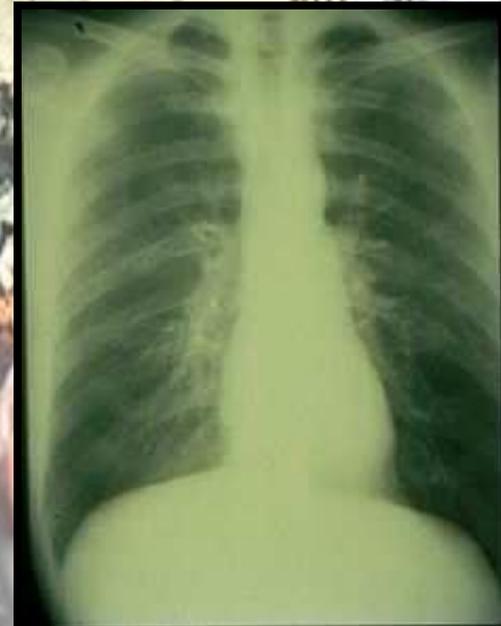




2. Pneumonic plague

Pneumonic plague is **95% fatal**.

Death results in **2-3 days**.



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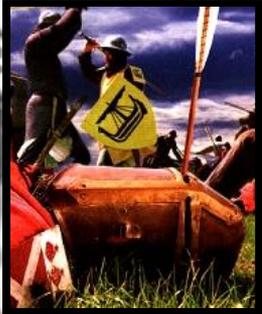




3. Septicemic plague

An **infection of the blood**, it is contracted by direct **contact** of contaminated **hands, food**, or objects with the **mucous membranes** of the nose or throat.

The **victim** has a sudden high fever, **turns deep purple/black** due to respiratory failure.



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3. Septicemic plague

The name **“Black Death”** applied to the plague is derived from **this** symptom.

It is **100% fatal**.

Death results **within hours**.



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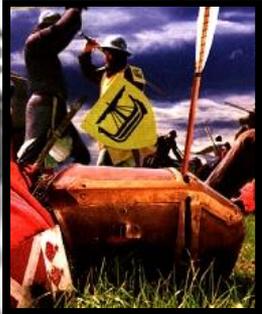


Black Death

*“Ring around the rosies,
A pocket full of posies,
Ashes! Ashes!
We all fall down.”*



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Black Death

Remember this childhood song? You'd stand around in a circle with your friends and sing it. A lot of historians speculate that it is about the Black Death. Here's how...



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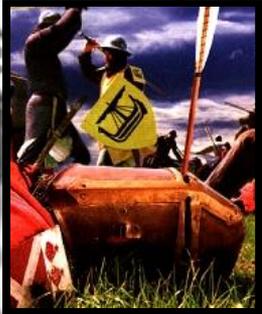




Black Death

“Ring around the rosies”:

In the early stage of the Black Death (mostly the Septicemic plague) victims would sometimes form small, purple/rose-colored rings on their skin.



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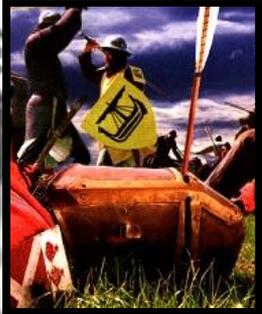




Black Death

“A pocket full of posies”:

Doctors assumed the plague was airborne so they wore masks with large snouts stuffed with posies. They wore these to lessen the stench and to protect themselves from contracting the illness. They kept a pocket full of posies to refresh their mask.



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Black Death

“Ashes! Ashes! We all fall down!”:



Just prior to death, the aviolae sacs in the lungs rupture and the lungs begin to be coated with blood, which then clots and dries.



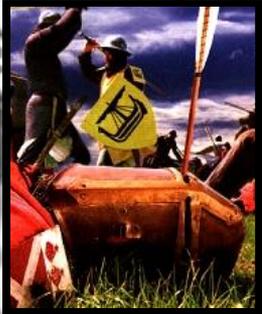
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Black Death

“Ashes! Ashes! We all fall down!”:



Right before the victim dies, they often have a prolonged coughing fit during which they cough up flecks and particles of the dried black-colored blood from their lungs.



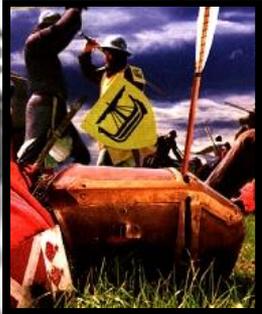
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Black Death

“Ashes! Ashes! We all fall down!”:

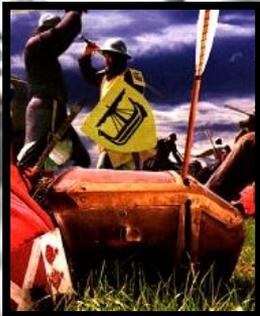


This was given the name “ashes” by the doctors of the time. Also, when cities began to run out of space in graveyards and coffins, they burned the bodies (which actually made the plague airborne and more deadly).



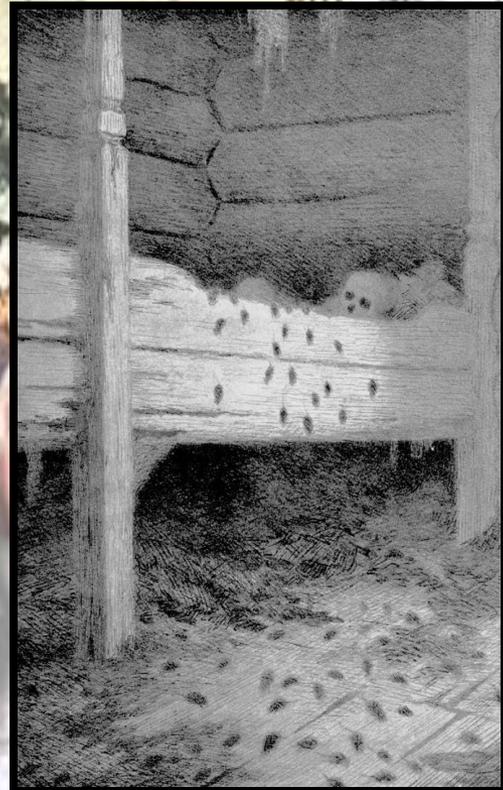
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Black Death

Two terms are often applied to the Black Plague (and used incorrectly today by most news anchors).



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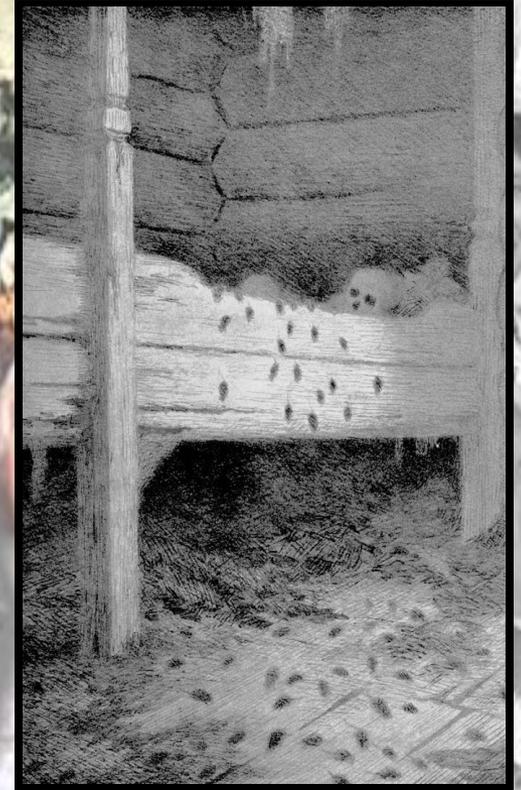




Black Death

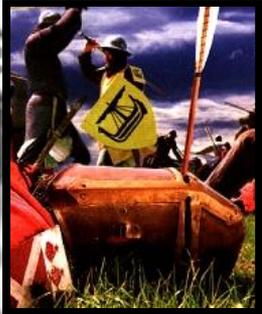
1. Epidemic: An **outbreak** of a disease that spreads extensively among a group of people or **in one country**.

2. Pandemic: A widespread epidemic, it **affects** people in **multiple countries** (like COVID).



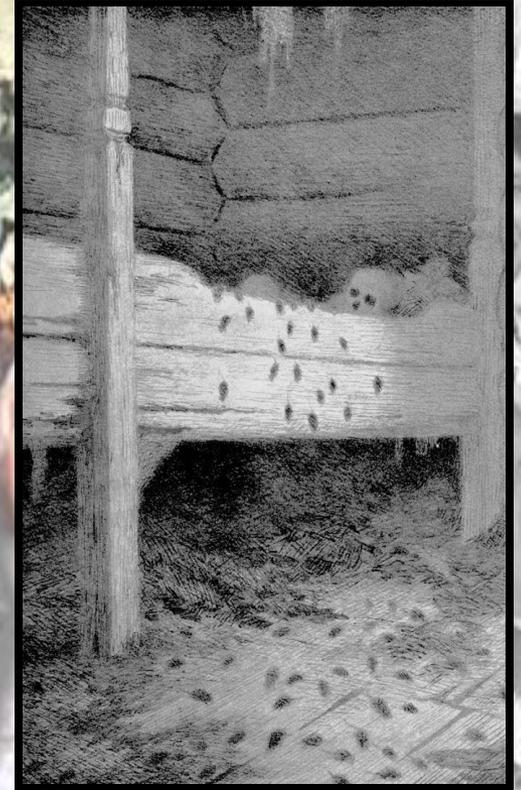
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Black Death

Because there was no cure (and no one knew it was from fleas until the 1890s), **people** immediately **believed** the **plague** was a curse **sent by God** to punish humankind for all of its evildoings.



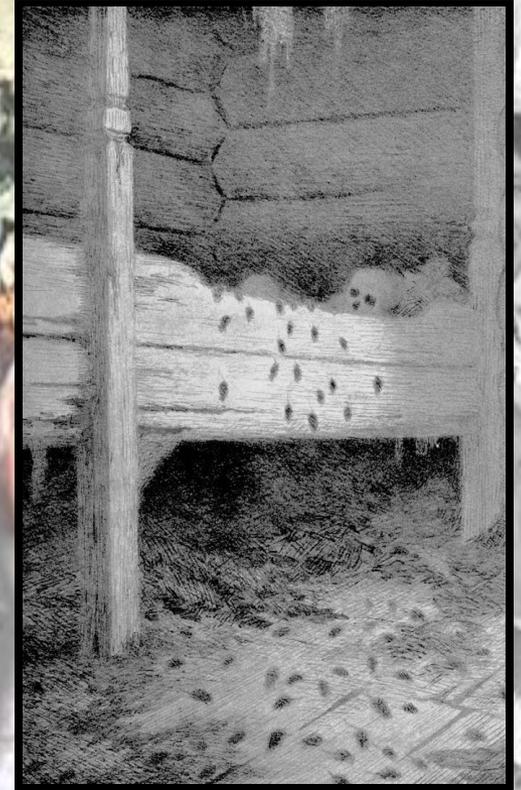
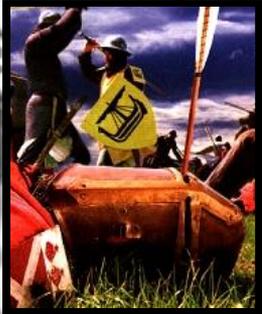
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Black Death

People often shut themselves inside and refused to eat (which didn't help). Some families packed up and moved... taking the plague with them.



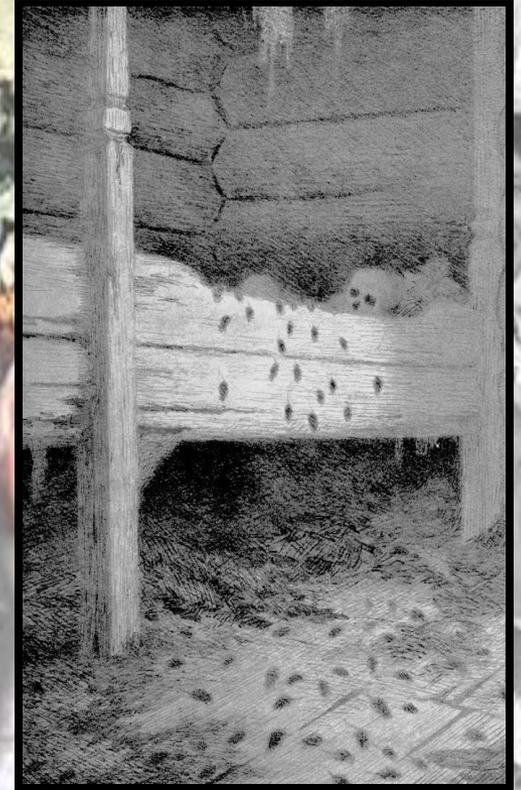
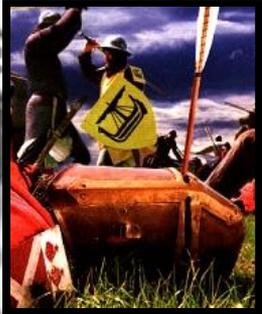
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Black Death

Churches could offer no answer as many clergy died. Groups called **flagellants** were so convinced that God was angry that they **walked around whipping themselves to atone for the sins** of mankind. The whippings exposed their blood to the plague and they died off in droves.



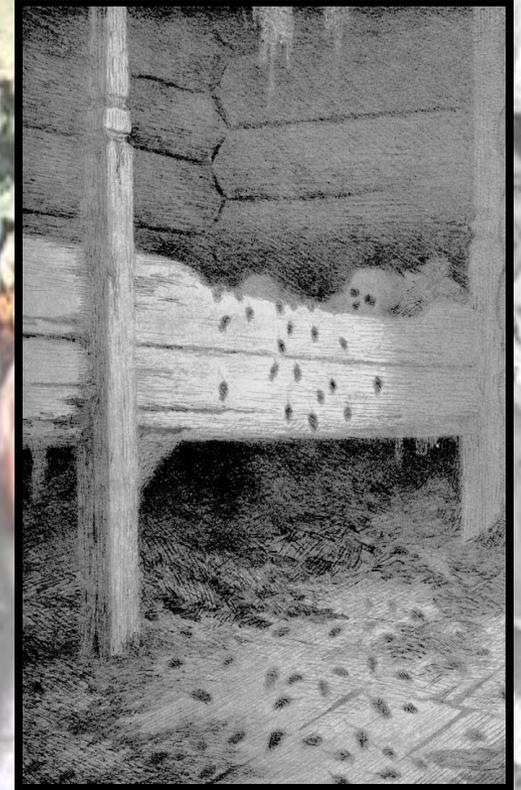
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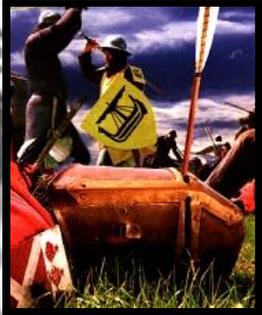
Black Death

However, almost as quickly as it came, the plague was gone. Many towns and villages lost all of their populations (sometimes in a single day). In some areas, over 1,000 people died a day from the plague. **China lost 35 million** people (30%) while **Europe lost 25 million** (33%).



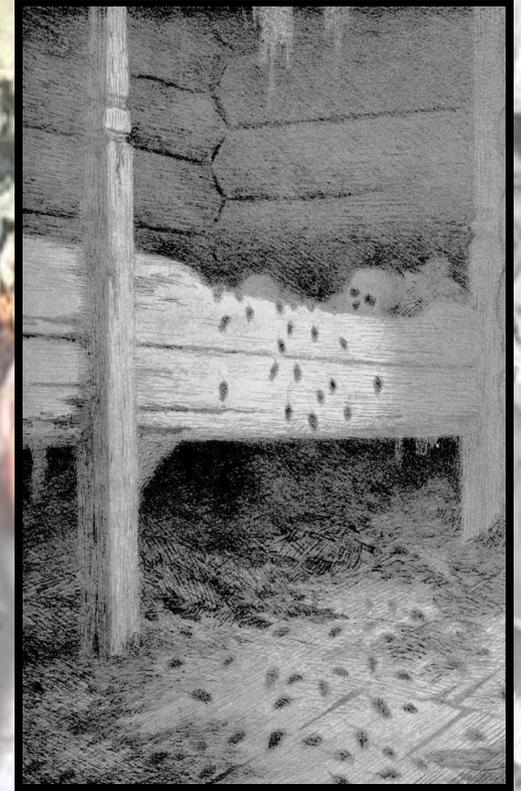
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Black Death

The plague dropped Europe's population to the same number it was at in **1100**, 250 years prior. In fact, it wouldn't be until the **1800s** that the population totals surpassed those from **1347**.



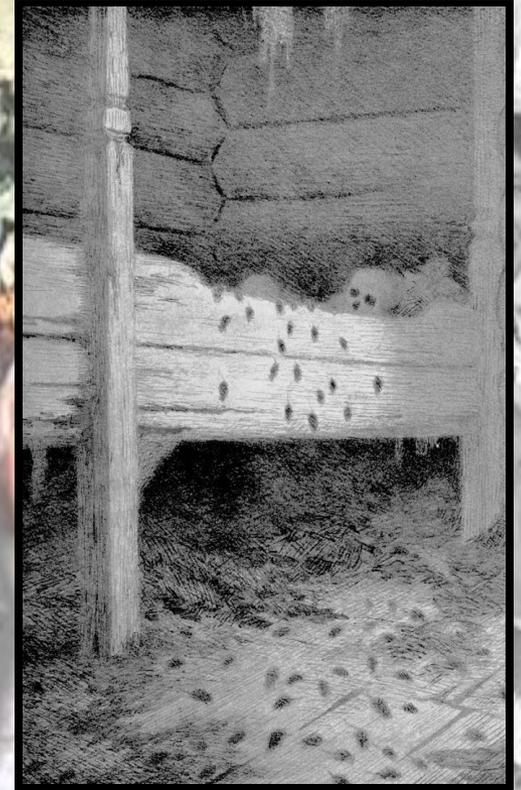
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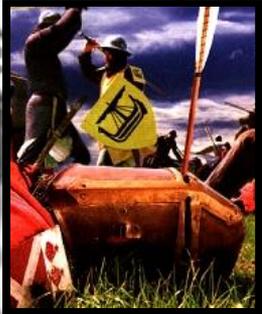
Black Death

The **plague** also **impacted feudalism**. A **labor shortage** due to massive deaths among the **serfs/peasants** died resulted in the ones **who survived** **demanding higher wages** to work the lands. Nobles initially resisted but eventually gave in.



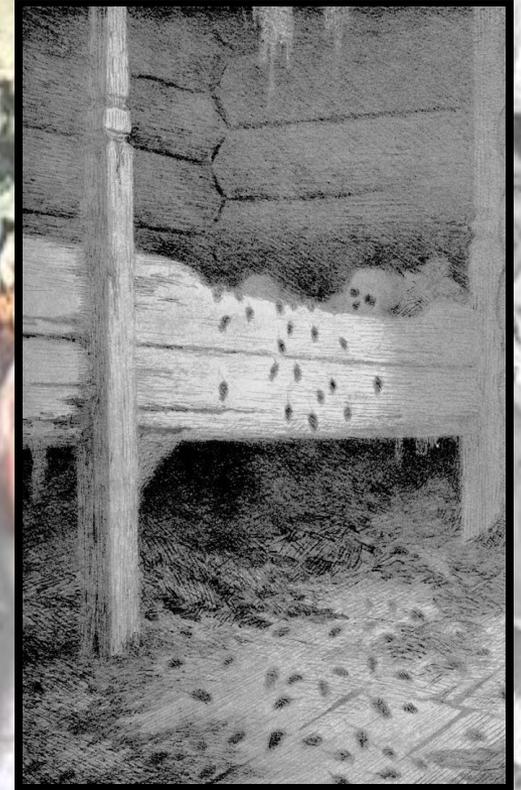
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Black Death

Numerous theories have been offered to explain the disappearance of the plague. It is argued that **black rats** (the primary carriers of plague) were **replaced by larger brown rats** that did not carry the infection.



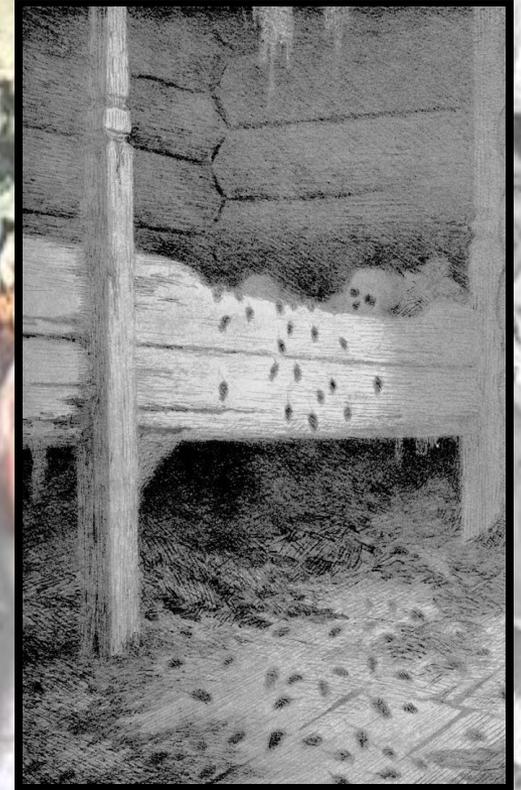
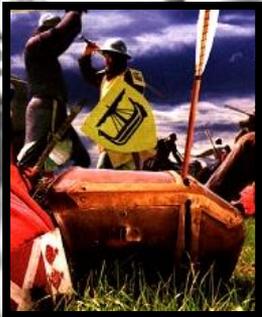
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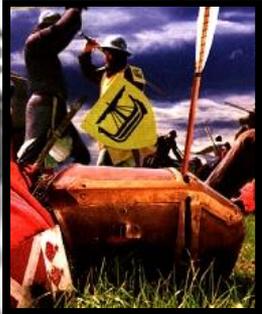
Black Death

A second theory suggests that **increased immunity among the rodents** broke the cycle of transmission.



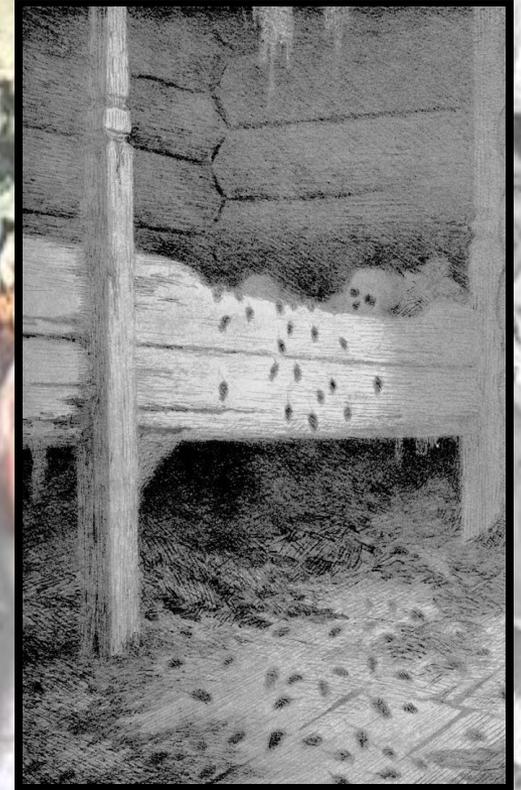
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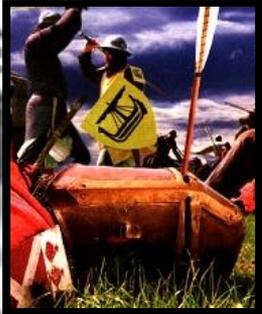
Black Death

The most likely explanation, however, is **human intervention** and the **furthering of science...** simple things like not disposing of waste in the same river where you get your drinking water!



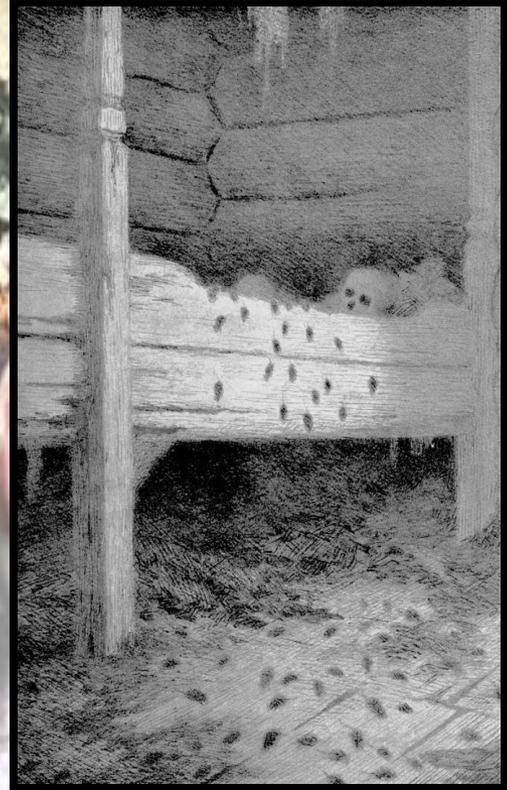
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Black Death

Whatever the reason, the Black Plague certainly capped off the Dark Ages in a fashion one hopes never happens again.



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WHAT
DID WE
LEARN
TODAY?



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FAST 5: UNIT 1, LESSON 15 (MW 1.15)

QUESTION 1 

1. TBA



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FAST 5: UNIT 1, LESSON 15 (MW 1.15)

QUESTION 2 

2. TBA



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FAST 5: UNIT 1, LESSON 15 (MW 1.15)

QUESTION 3 

3. TBA



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FAST 5: UNIT 1, LESSON 15 (MW 1.15)

QUESTION 4 

4 . TBA



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FAST 5: UNIT 1, LESSON 15 (MW 1.15)

QUESTION 5 

5. TBA



-  **THINK**
-  **CHECK**
-  **SUBMIT**



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