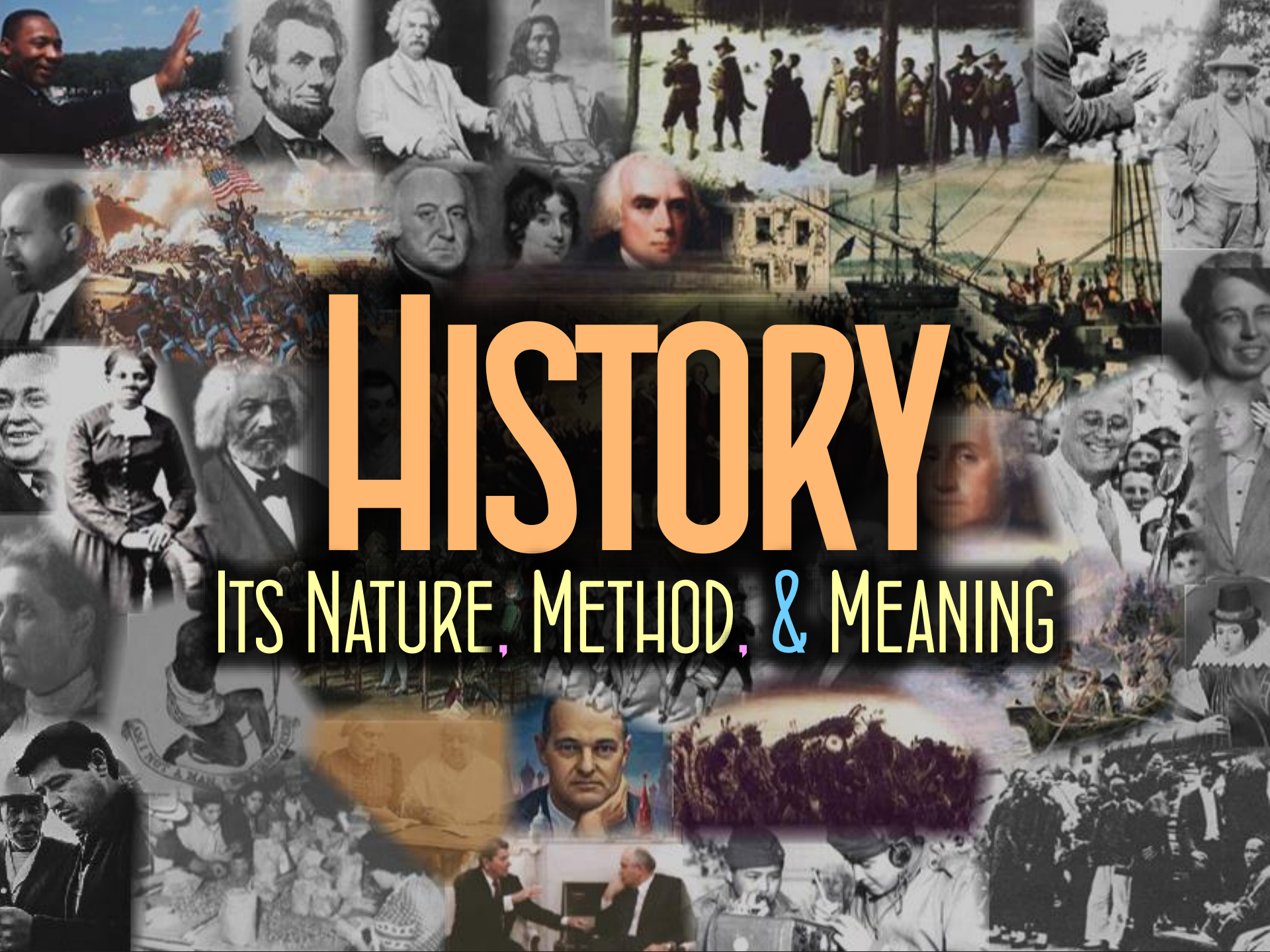
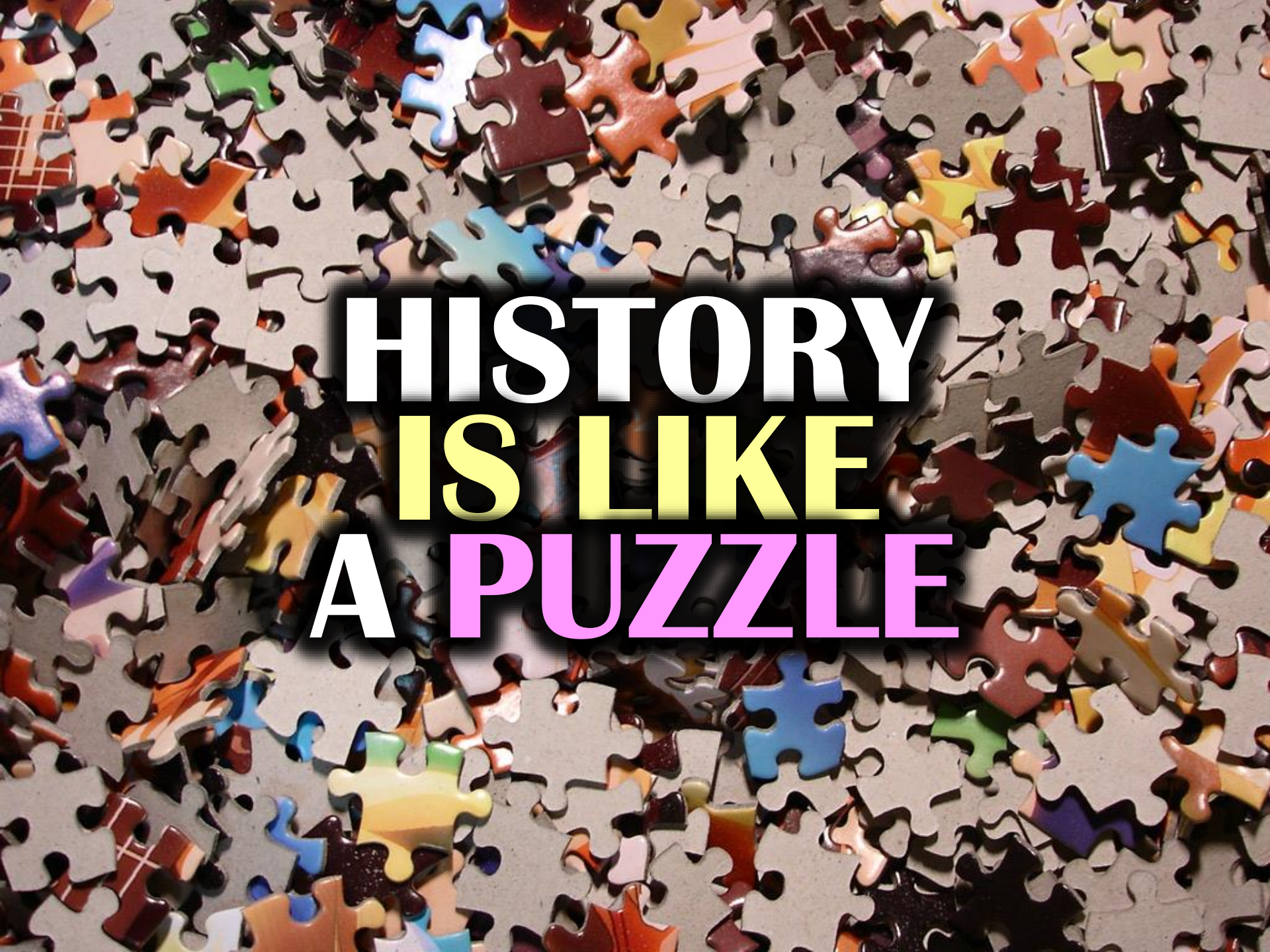
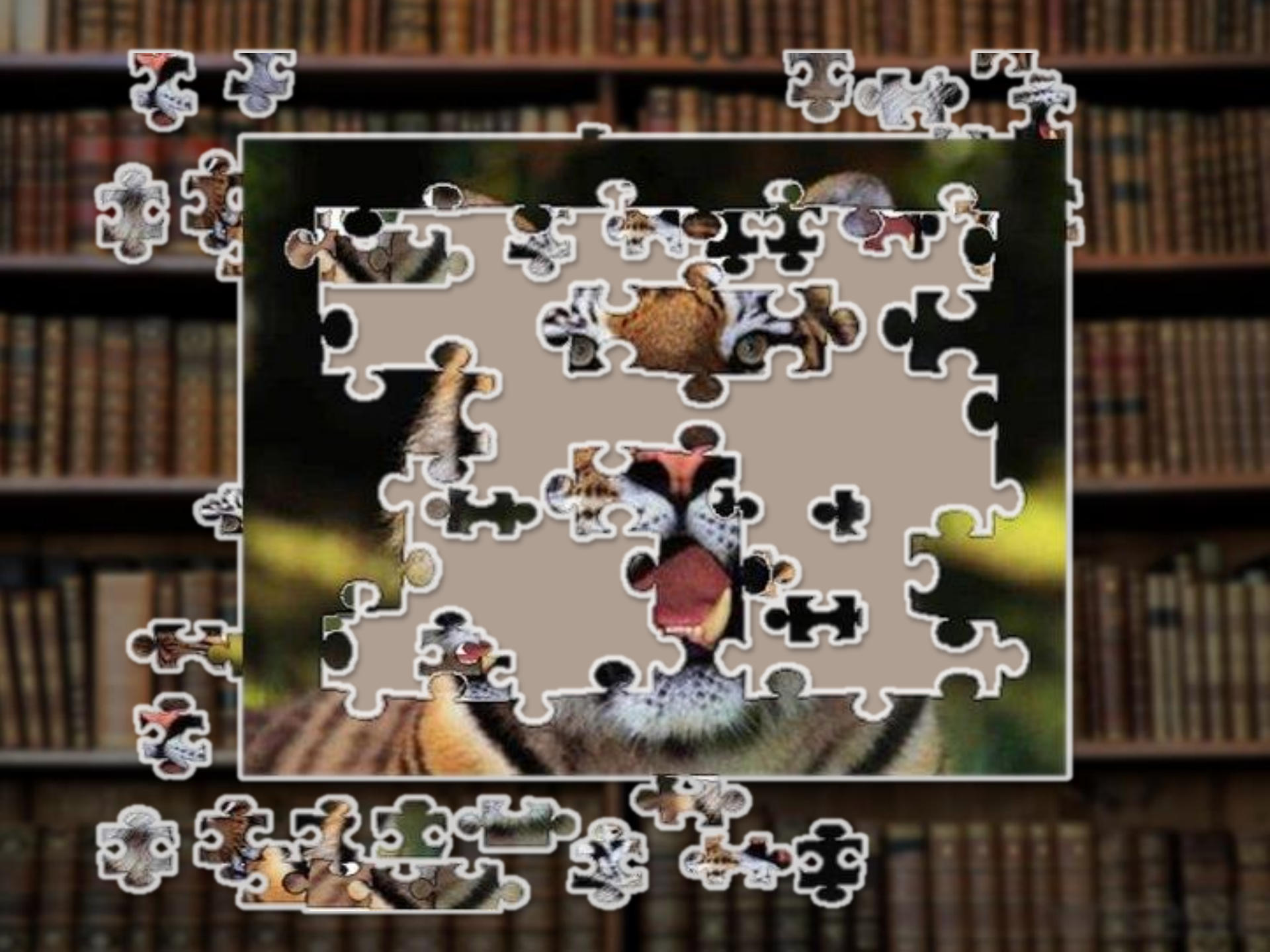

HISTORY
ITS NATURE, METHOD, & MEANING

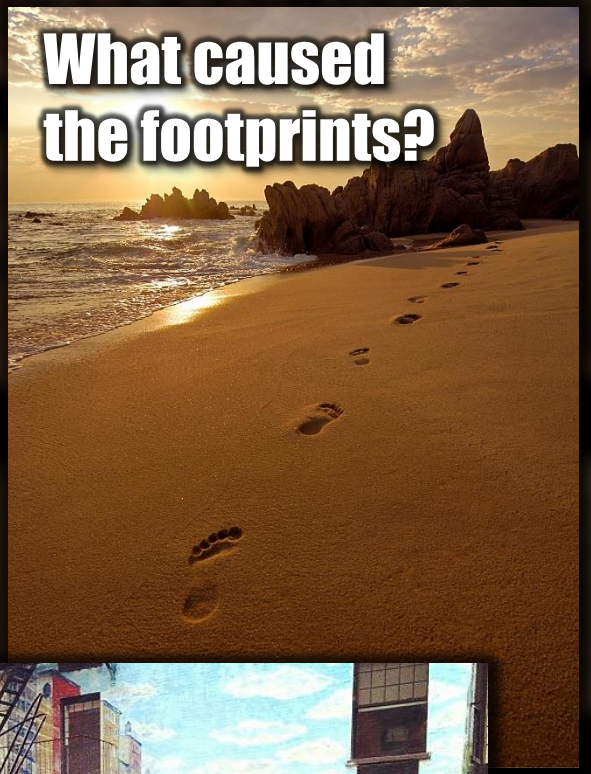
What is History?


HISTORY
IS LIKE
A PUZZLE



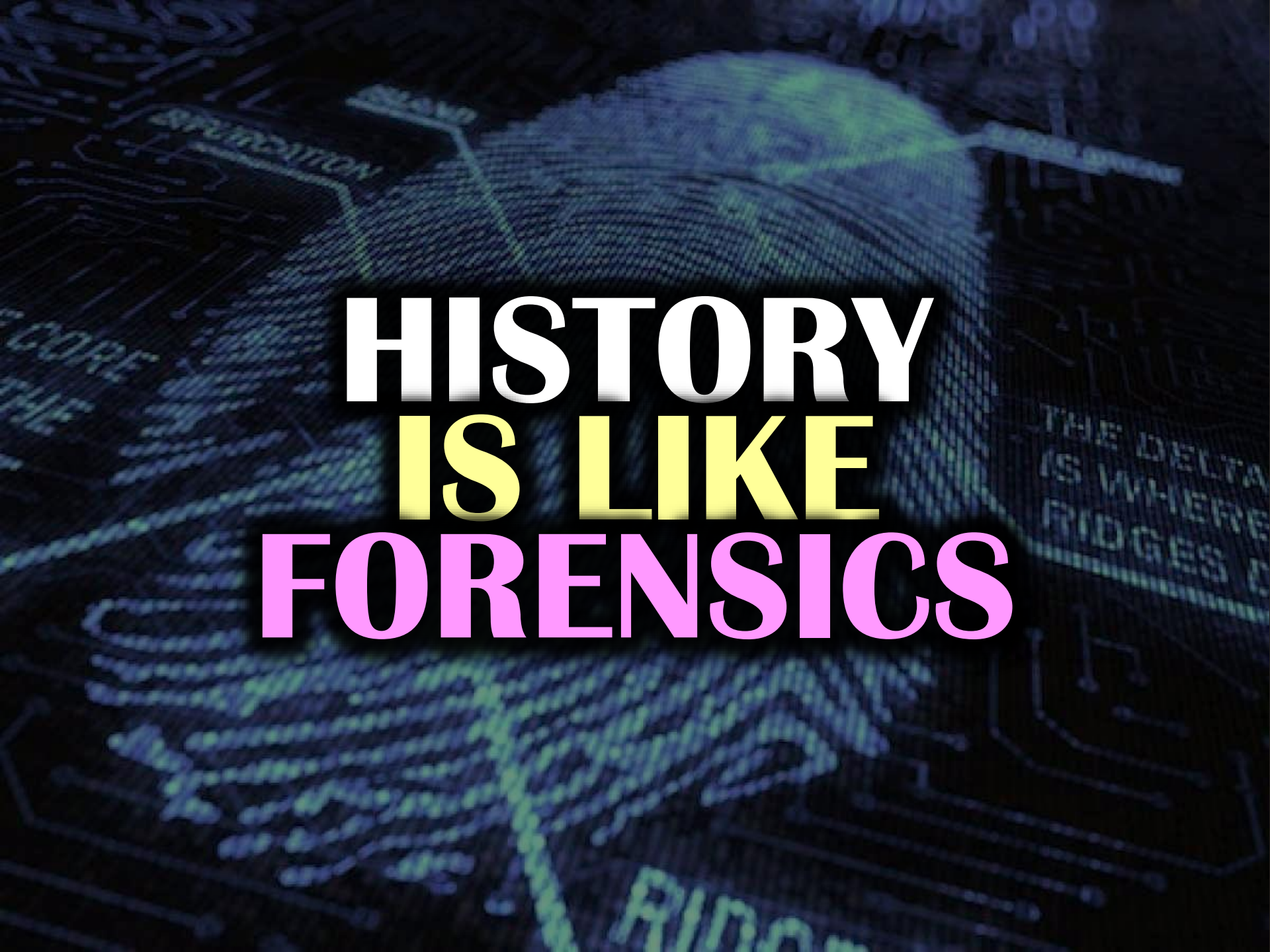
INFERENCE

Definition: A logical conclusion or opinion based on the available evidence, our reason & our experiences

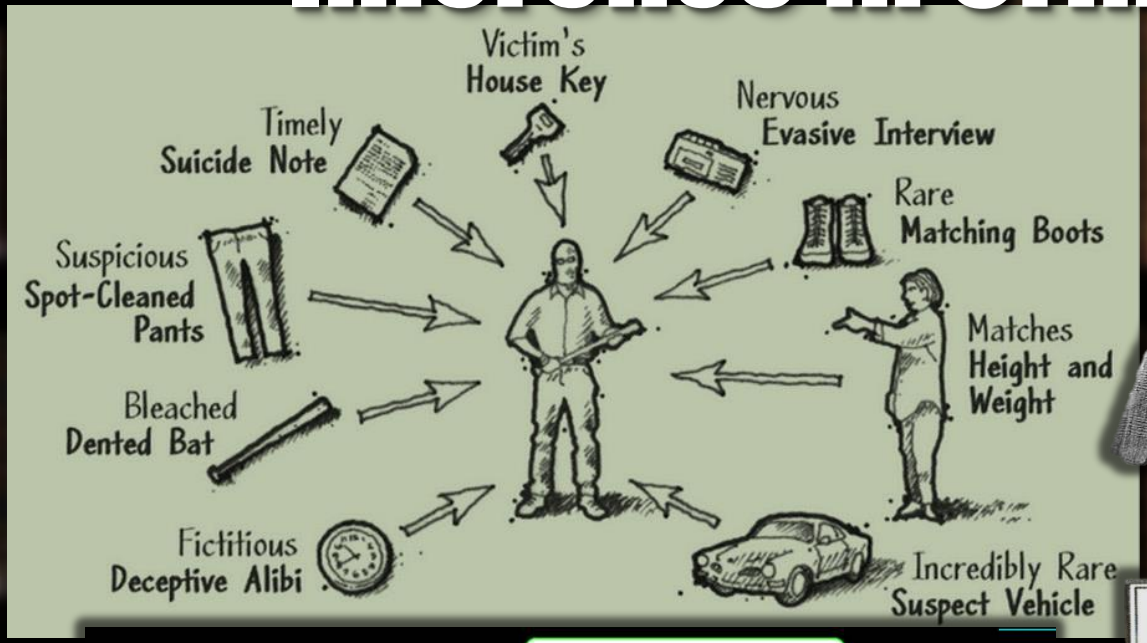


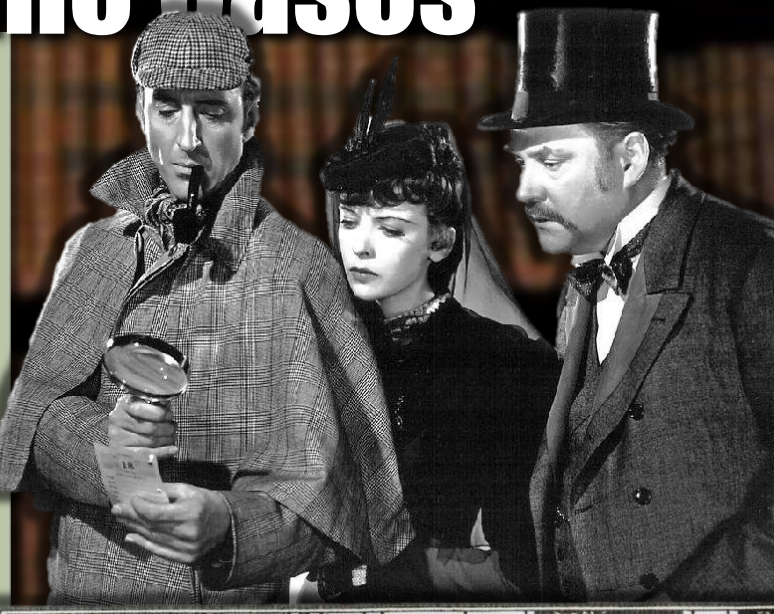
Put another way:

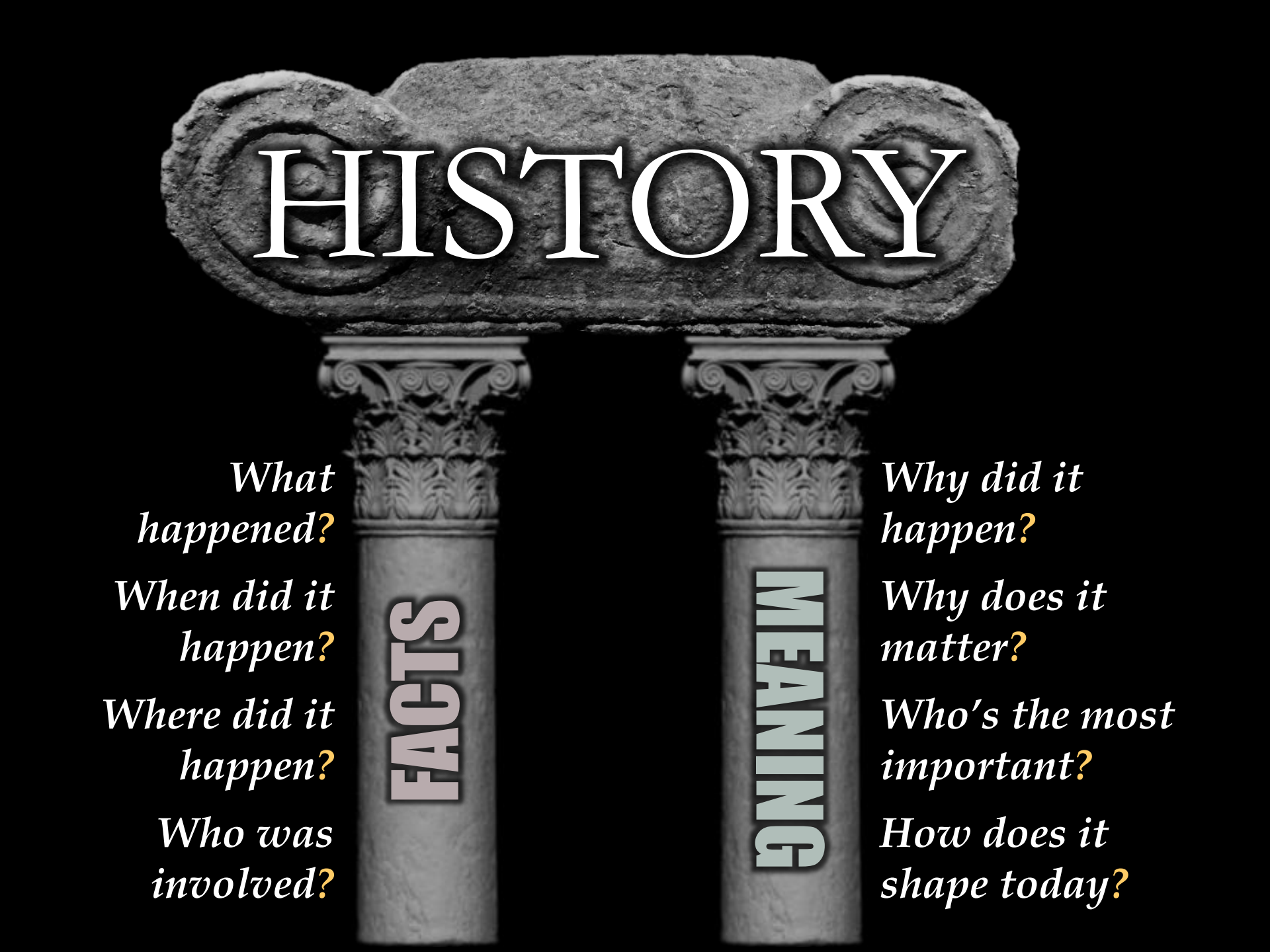
It is filling in the puzzle pieces you don't have by using the puzzle pieces you do have!


HISTORY
IS LIKE
FORENSICS

Inference in Crime Cases

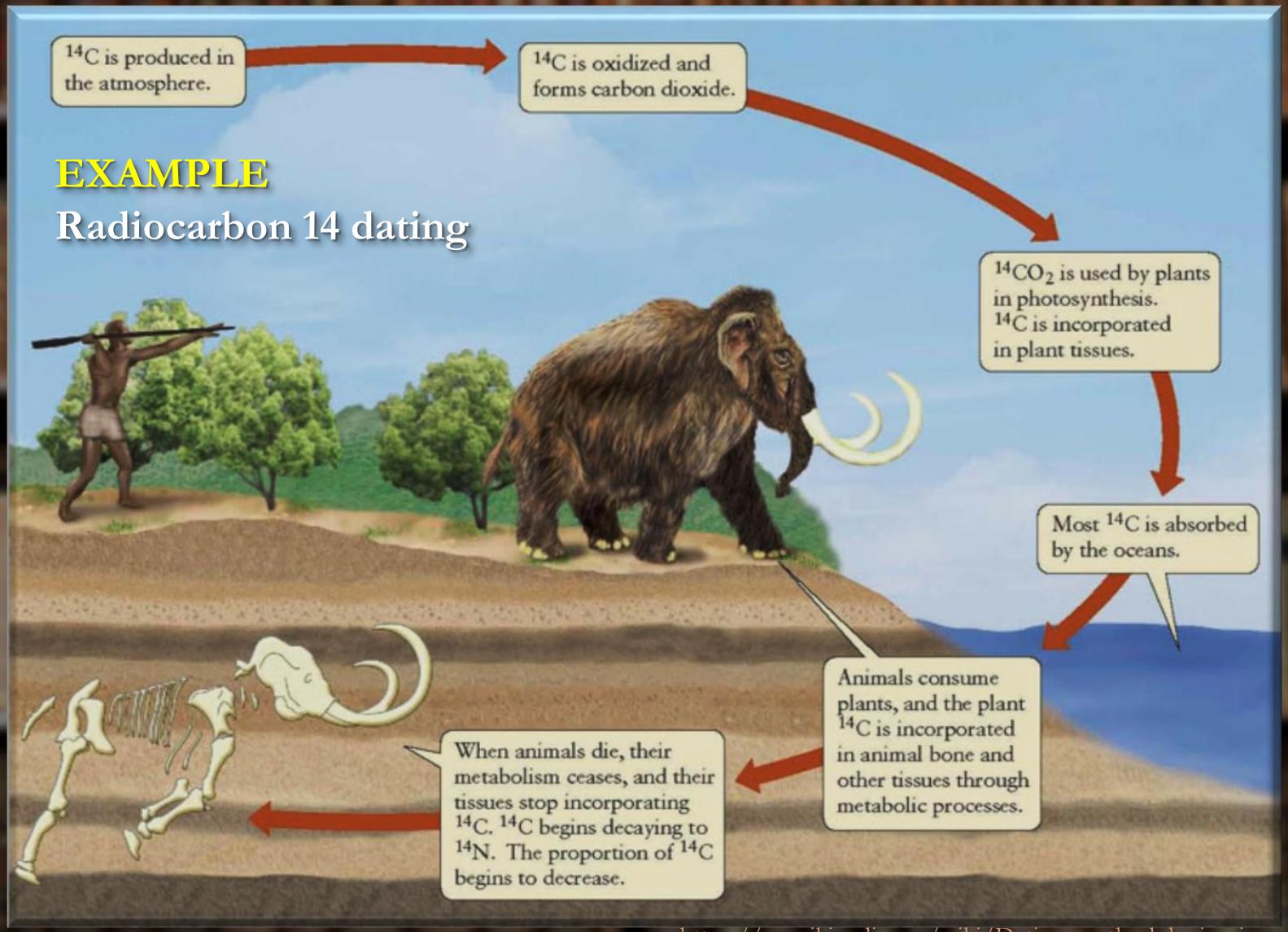





HISTORY
What happened?
When did it happen?
Where did it happen?
Who was involved?
FACTS
MEANING
Why did it happen?
Why does it matter?
Who's the most important?
How does it shape today?

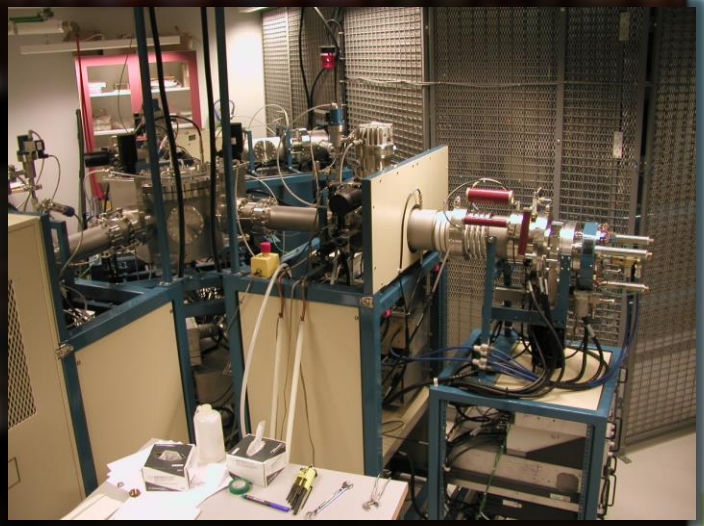
How do we *actually* *date* the past?

We can measure the physical, chemical, and life properties of objects to get a date. *(Known as Absolute/Chronometric dating)*



https://en.wikipedia.org/wiki/Dating_methodologies_in_archaeology

Carbon 14 Dating



Single Stage Accelerator Mass Spectrometer

Cosmic rays from the sun collides with atoms in the upper atmosphere producing energetic neutrons

neutron + Nitrogen-14 → Carbon-14 + proton

The energetic neutron collided with a Nitrogen-14 atom to produce a Carbon-14 atom and a proton

The Carbon-14 oxidises to Carbon-14 dioxide and is transported to the lower atmosphere

Plants absorb Carbon dioxide during photosynthesis and take in Carbon-14 in a ratio similar to that of Carbon-14 in the atmosphere

Carbon-14 is taken in by animals and humans through the food chain

The wood from felled trees used for construction or paper manufacture also undergo Carbon-14 decay

When plants and animals die, they stop taking in Carbon-14

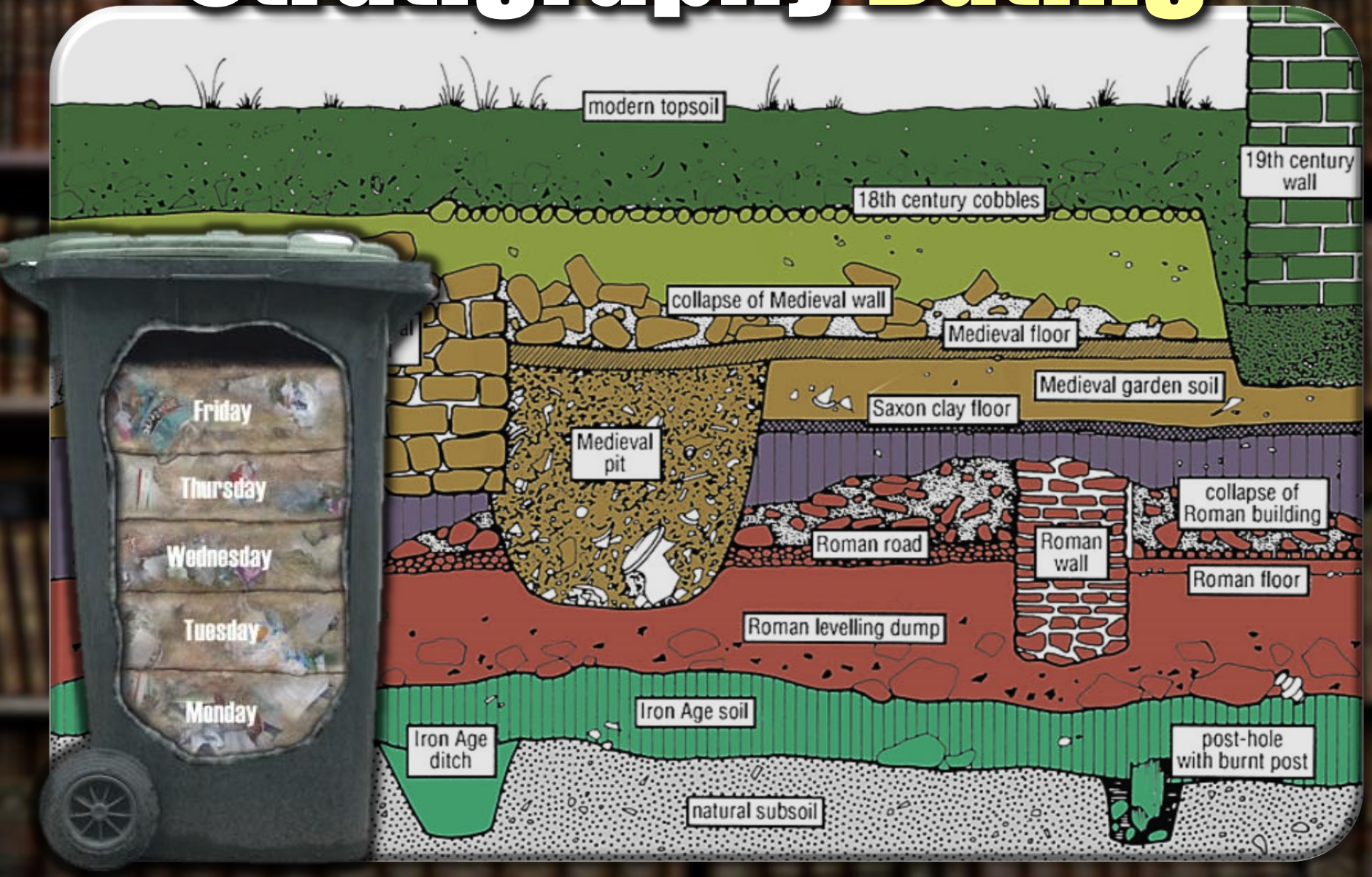
Following death or burial, the unstable Carbon-14 in bones undergo beta decay to form Nitrogen-14

Carbon-14 → Beta Decay → Nitrogen-14 + $^{0}_{-1}\beta$

Neutron → Proton + electron (electron leaves the atom with high energy as a beta particle)

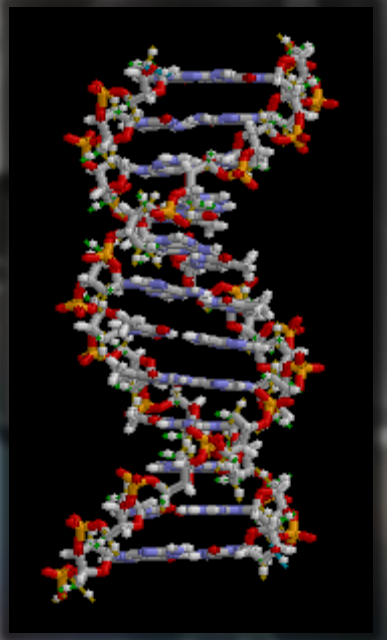
Carbon-14 undergoes beta decay to form Nitrogen-14. Over time the ratio of Carbon-14 to other Carbon atom decreases. Carbon-14 has a half life of 5,730 years. By measuring the amount of Carbon-14 in a sample and comparing it to a fresh sample, scientists can determine its age.

Stratigraphy Dating

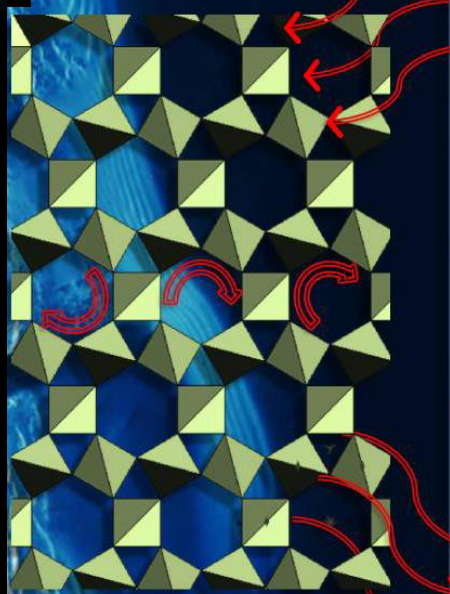


https://en.wikipedia.org/wiki/Dating_methodologies_in_archaeology

DNA Dating



Thermoluminescence



IRRADIATION

Local ionizing radiation introduces electrons to the crystal lattice, some of which are trapped at imperfections and 'stored'. Sources: ambient ^{40}K, ^{238}U, ^{232}Th...

STORAGE

Some electrons are 'trapped', as they lack sufficient energy to escape the lattice.

EVICTION

Electrons are provided the means to escape from an outside stimulus (eg. UV wavelengths or heat).

The amount of thermoluminescence from a heated sample is used to determine the number of trapped electrons resulting from the absorption of alpha radiation.

(Simplified from Aitken; 1985, 1998) Keizars, 2008

Thermoluminescence Dating

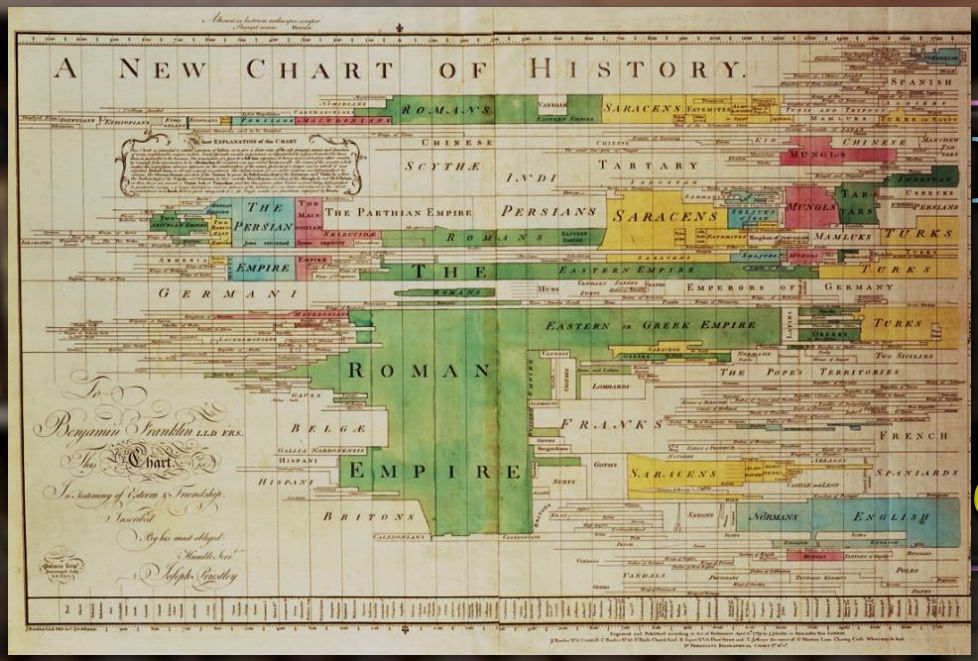
ARTIFACT DATING

Style of art, architecture, writing, language, pottery... ect

CHRONOLOGY

The sequential arrangement of events

Causation/Continuity & Change

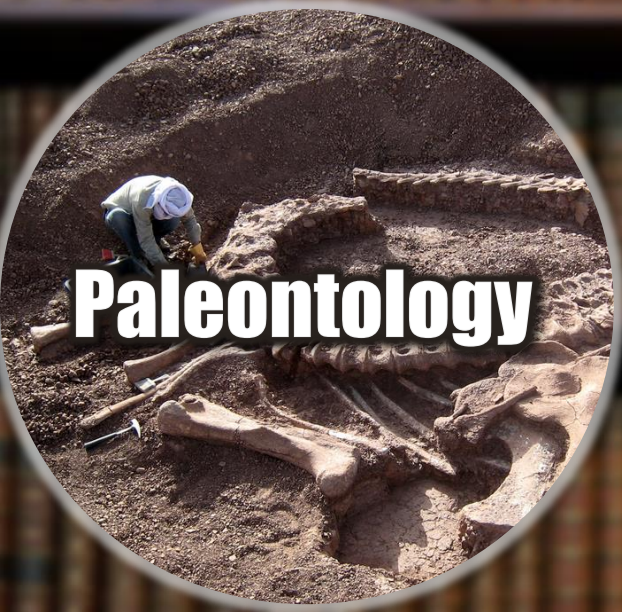


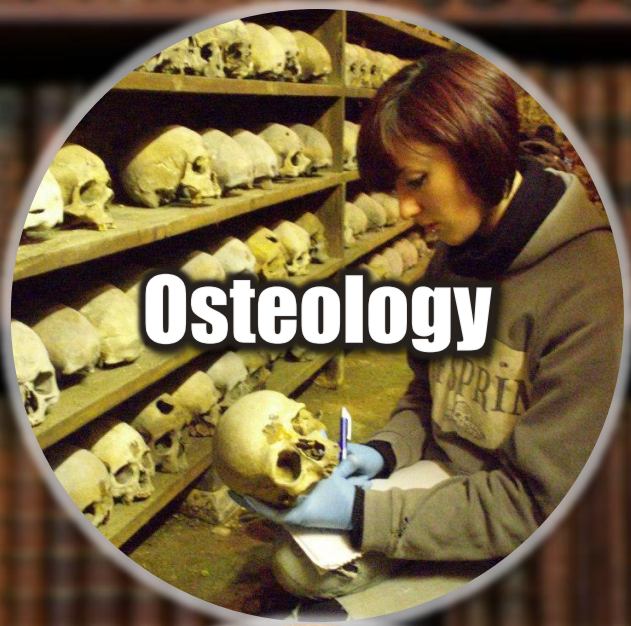
PERIODIZATION

The categorizing of the past

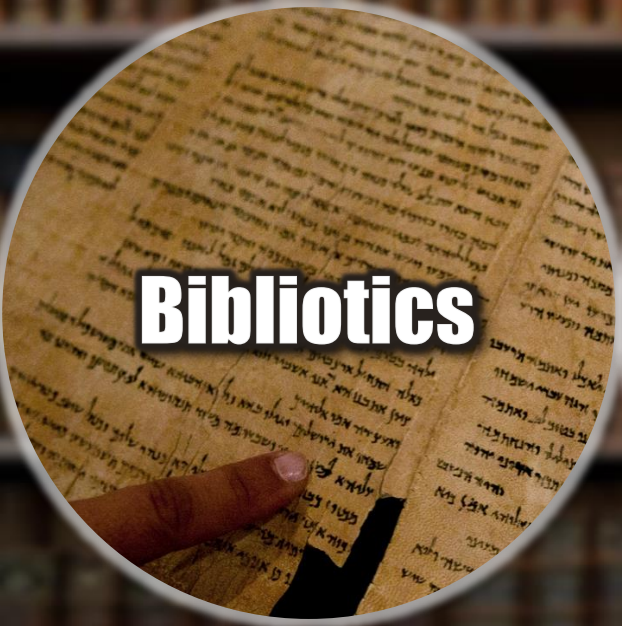
Contextualizing & Interpreting

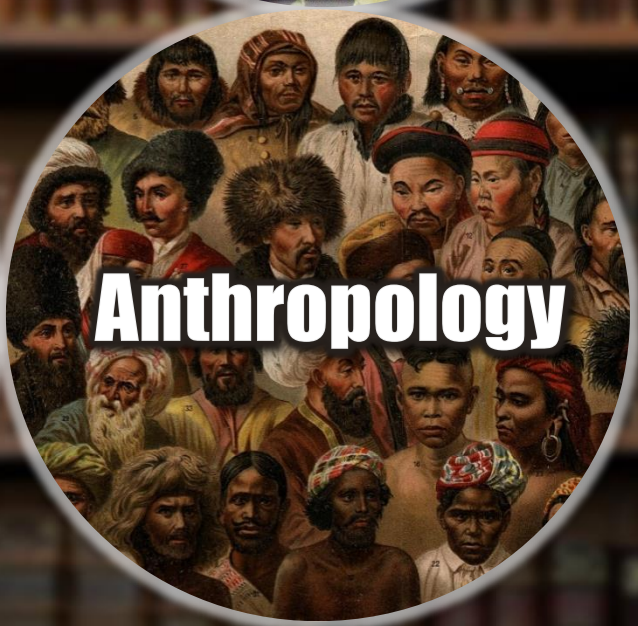
What *fields of study* *assist* the enterprise of historical investigation?

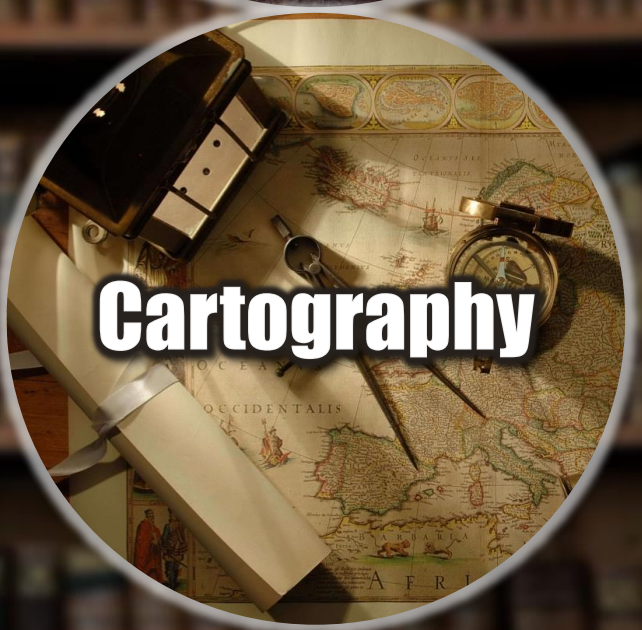

Paleontology

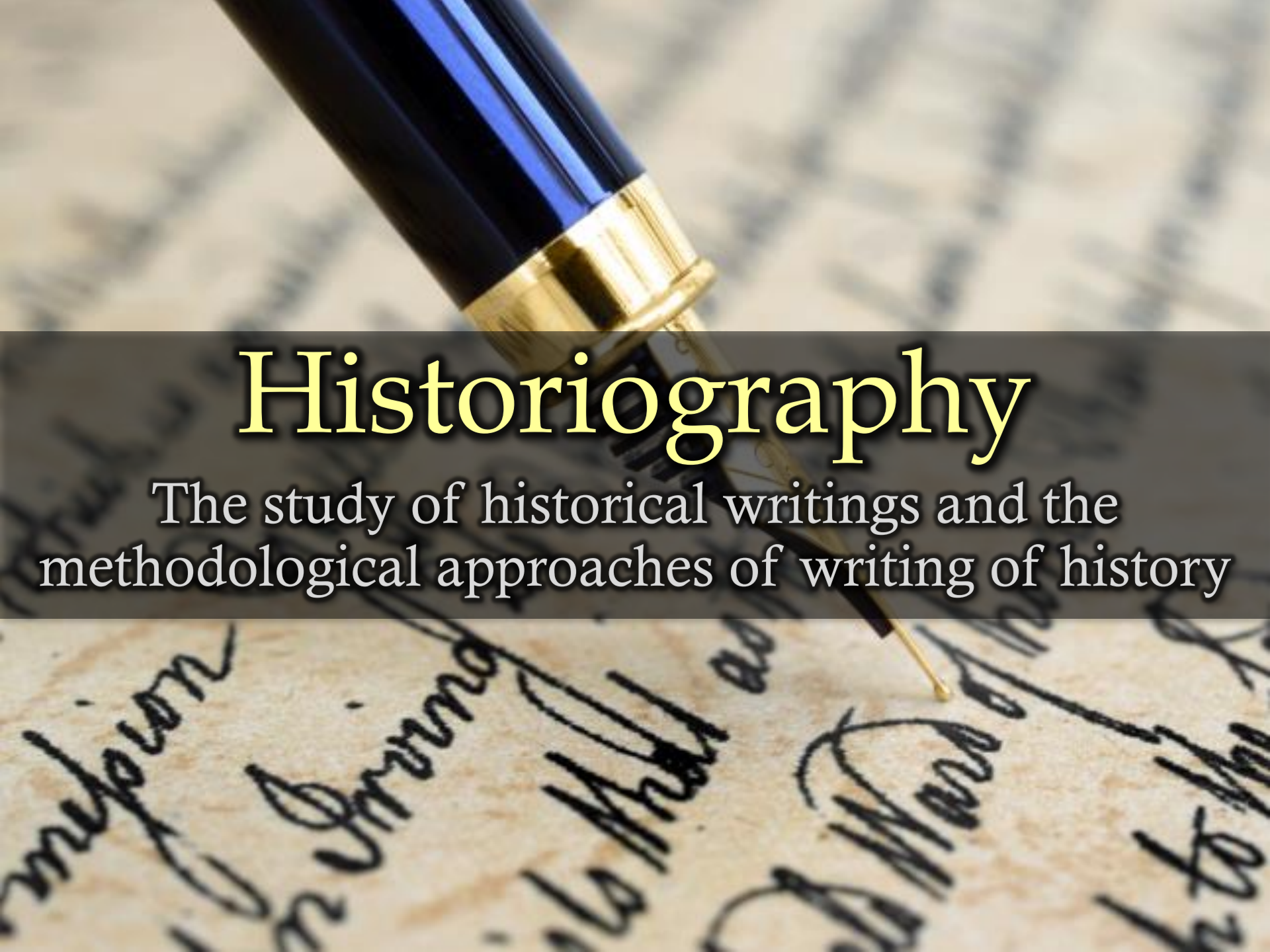

Osteology


Archaeology


Bibliotics


Anthropology


Cartography

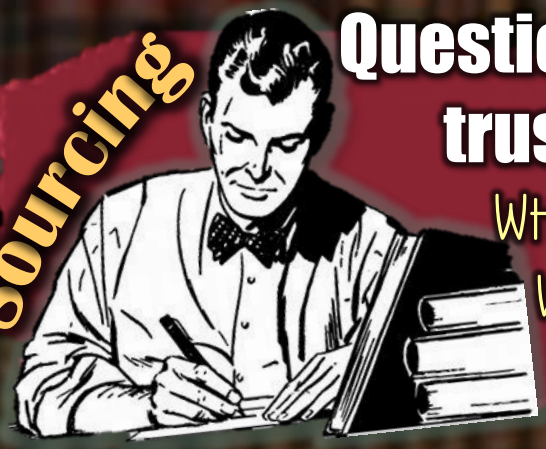


Historiography

The study of historical writings and the methodological approaches of writing of history

Historical Thinking & Reading Skills

Sourcing



Questioning evidences trustworthiness

WHO WROTE IT? WHEN, WHERE, WHY, HOW?

Close Reading

Focused Reading for accuracy

WORD USAGE. EVIDENCE. CLAIMS. PERSPECTIVES.

Contextualizing

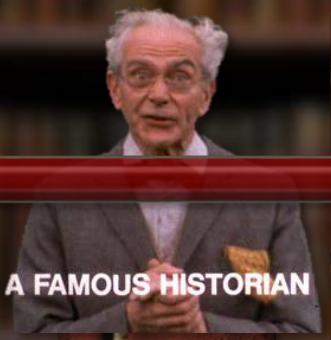
Understanding background influences

CIRCUMSTANCES. THEN VERSUS NOW. BIASES, VALUES, CUSTOMS.

Corroboration

Comparing Evidences

WHAT DO OTHER SOURCES SAY? AGREE VS. DISAGREE.



HISTORICAL THINKING SKILLS

THE PAST

The TRUTH of events

history writers bias, context, agenda

historical bias, limited evidence, decay,

DIVERSE FIELDS of STUDY

REASON

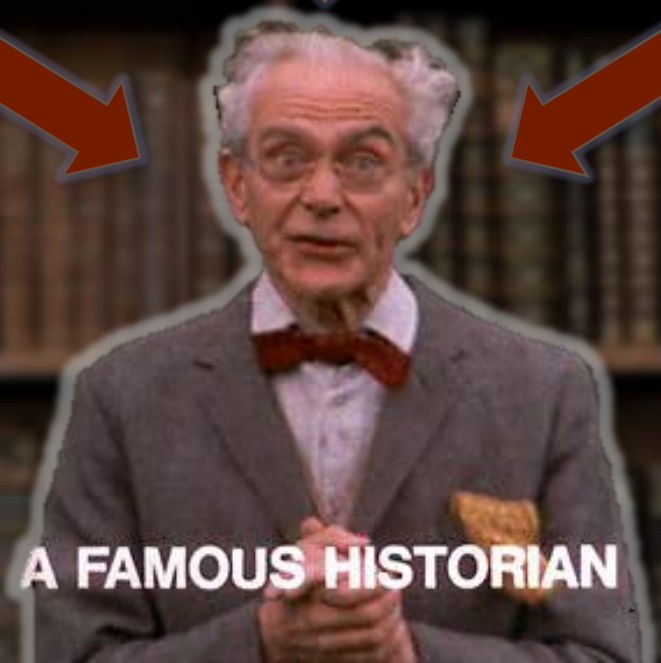
What explanation is the most probable & justifiable rationally?

EVIDENCE

Why was & wasn't certain evidence used? Is the evidence making a cumulative case?

REVIEW

What do other scholars have to say? What perspectives are brought to the table?




HISTORY
It's Alive & Well


Alt-Right


Antifa


Communists


NSM
Neo-Nazis


STOP
WHITE
SUPREMACY
BLM


KKK
DIVERSITY" = WHITE GENOCIDE


FIGHT
RACISM
Social Justice
LOVE
trumps
HATE


Black
Panthers


Ferguson, MO
Riots 2014


Baltimore, MD
Riots 2015


Inauguration Day,
DC Riots 2017


Antifa vs
Alt-Right 2017


Berkley, CA Riots 2017


Congressional
Ballgame
Shooting 2017

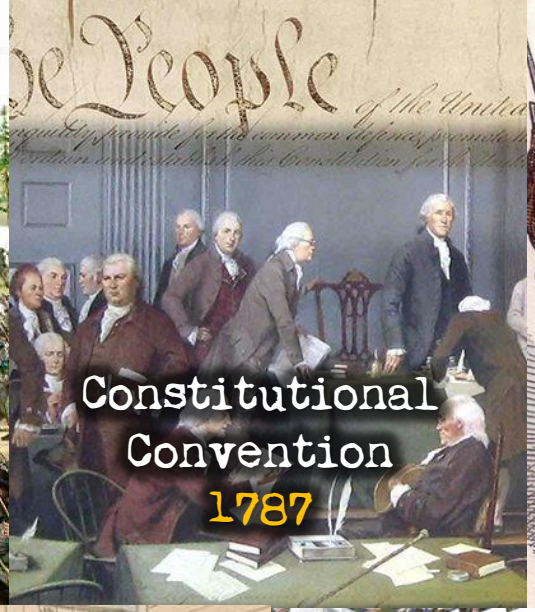

Charlottesville,
NC riots 2017

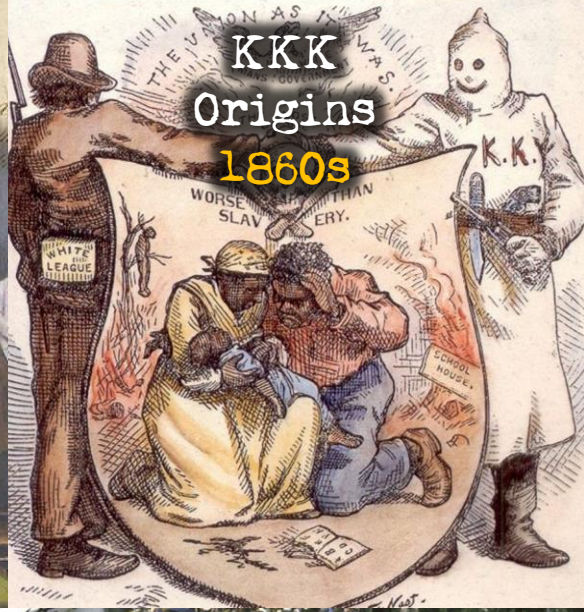

ABOLISH


THE UNITED
IMMIGRANTS


MAKE
RACISTS
AFRAID
AGAIN


U.S. CIVIL WAR
1861-1865


Constitutional
Convention
1787


KKK
Origins
1860s
K.K.K.


Slavery 1800s


Racial Riots
(i.e. Red Summer)


N.A.A.C.P.
SUPPORTS!
JACKSON FREEDOM MARCH
Civil Rights
1960s


Desegregation 1950s


WHITE
COLORED
Racial Segregation
1860s-1950s

My "Your Awesome" Face

For Finishing This!