## Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_

## Talking Mummies: the Iceman

## C:\Documents and Settings\MGUDMUNDSSON\Desktop\iceman imageStudent Objectives

* Review information about mummies.
* Research a well-known ice mummy.
* Relate the process to using the scientific method

## Materials

* Video on *unitedstreaming*: *Forensics: Who Killed the Iceman?*

Search for this video by using the video title (or a portion of it) as the keyword:

* The Discovery of the Iceman's Corpse
* Ice as an Element of Mummification
* Using X-Rays and CT Scans to Study the Iceman Mummy
* Hypothermia or Drowning: What Killed the Iceman?
* Scientists Discover an Arrowhead in the Iceman's Back
* Forensic Scientists Locate Ötzi's Origins Using Vegetation

## Procedures

1. Answer the following questions using complete sentences:
   * What is a mummy?
   * How are mummies different from skeletons?
   * How are ice mummies different from Egyptian mummies
   * What can archeologists/scientists learn about a mummy?
   * What clues do they look for in a mummy?
   * What processes of the scientific method do they use? Be specific in your answer by providing examples from the information you gathered:
2. Answer the following questions based on your internet research/viewing of video clips on the Iceman:
   * Where was this mummy found? How old is it?
   * What do we know about this mummy’s age, gender, religion, cause of death? Explain how scientists know this information.
   * Describe the artifacts found with the mummy. What did they reveal?
   * Describe physical characteristics or marks on the mummy. What do they reveal?
   * What other facts have archeologists/scientists concluded about this person’s life or death?
   * What technology was used to study this mummy?
   * What questions remain unanswered?

Use the following Web sites to answer your questions about the Iceman!

* + Ultimate Guide: Iceman

<http://dsc.discovery.com/convergence/iceman/iceman.html>

* + South Tyrol Museum of Archaeology in Bolzano, Italy

<http://www.archaeologiemuseum.it/f01_ice_uk.html>

* + Otzi

<http://www.mummytombs.com/mummylocator/featured/otzi.htm>

* + The Iceman’s Last Meal

<http://www.pbs.org/wgbh/nova/icemummies/iceman.html>

* + Plants and the Iceman

<http://www.gla.ac.uk/Acad/IBLS/DEEB/jd/otzi.htm>

## Vocabulary

archaeology

*Definition****:*** The scientific study of material remains such as fossils, bones, or relics that reveal information about the human activity of cultures that flourished long ago

*Context:* By studying physical characteristics of a mummy, such as bones and teeth, archaeologists can determine the person’s age and gender.

artifact

*Definition****:*** An object produced or shaped by human craft, especially a tool, weapon, or ornament of archaeological or historical interest

*Context****:*** Artifacts found with mummies often reveal important cultural clues.

mummify

*Definition****:*** To make into a mummy by embalming and drying; to cause to shrivel and dry up

*Context****:*** Bodies may become naturally mummified in frozen, dry climates

mummy

*Definition****:*** A body that has been preserved by natural or artificial means

Adapted from Discovery Education, 2005.