The Beginnings of World History

LESSON 1

As You Read

Students should make note of the lesson's main ideas and details. See the answers to the Graphic Organizer.

Summary

- Japan was not part of the Roman Empire and was farther away from Europe.
- They can share ideas and compare their perspectives.
- how early humans made tools that helped them survive

Graphic Organizer

 Suggested: Location and climate provide good or bad conditions for agriculture.

Suggested: Access to water helps civilizations survive.

Suggested: Being isolated or attached to continents can affect whether a country is invaded.

- Suggested: The researchers all have different perspectives.
 Suggested: People with different training use different tools.
 Suggested: Researchers criticize discoveries made in and outside of their field.
- Suggested: New discoveries are always being made.
 Suggested: Perspechage are constimer.

Suggested: Researchers are sometimes biased.

Suggested: Understanding new languages or codes help understand past discoveries.

LESSON 2

As You Read

Students should use the chart to compare the hominids and time periods discussed. See the answers to the Graphic Organizers.

Summary

- 1. hominids; East Africa
- Homo crectus, because they developed technology, used fire, and had a language.
- Homo supiens had more skills and developed a culture.

Graphic Organizers

- Australopithecines: Brain size was 500 cubic centimeters; walked upright and had opposable thumbs; traveled great distances; carried food and children; could pick up small objects and make tools
- Homo habilis: Brain size was 700 cubic centimeters; made tools from stone and lava to cut meat, crack open bones, and protect themselves
- Homo crectus: Brain size was 1,000 cubic centimeters; made more sophisticated tools to dig and protect themselves; migrated from Africa to parts of Europe and Asia; used fire; developed basic spoken language
- Neanderthals: Brain size was 1,450 cubic centimeters; powerfully built with strong muscles and thick bones; tried to explain and control their world; had ritual burials; very resourceful
- Cro-Magnons: Brain size was 1,400 cubic centimeters: looked like modern Homo sapiens; stood about five-andone-half feet tall; created art; planned hunts; had advanced language skills

Paleolithic Age: 2.5 million BC; 8000 BC; Oldest stone chopping tools were made in this time.

Neolithic Age: 8000 BC; 3000 BC; People in this time learned to polish stone tools, make pottery, grow crops, and raise animals.

LESSON 3

As You Read

Students should make note of the lesson's main ideas and details. See the answers to the Graphic Organizer.

The Learning Odyssey Answer Key To World History

David Gardner

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conversations and disrupt collaborative action This story aims to renew within each reader the sense of compassion and the deep yearning for understandings that can come from the encounter with those who see the world differently **Plain & Precious - Book of Mormon Commentary Volume One: 1 Nephi** Emily Christensen,2017-06-15 Dr Emily Christensen joined the Church of Jesus Christ of Latter day Saints in 2009 She brings to her study of the Book of Mormon a unique perspective as a Jungian therapist as theological scholar and as a student of Hebrew Here Dr Christensen shares the fruits of that study offering fresh insight into scriptural characters language and doctrine while always building upon a firm testimony of the atonement of Jesus Christ PLAIN PRECIOUS VOLUME ONE 1 NEPHI covers the first 22 chapters of the Book of Mormon an account of a prophet and his family led by God out of Jerusalem in 600 B C and their journey to a promised land on the American continent Dr Christensen is also the author of the memoir KEEPING KYRIE

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sep 20 2021 roughness is the most commonly specified measured and calculated aspect of surface finish and many people use the term surface finish to only describe roughness surface finish symbols the basic surface finish symbol is a checkmark with the point resting on the surface to be specified

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conventional method for designing surface finish as per is 696 surface texture specified by indicating the following a roughness value i e ra value in mm e machining allowance in mm e sampling length or instrument cut off length in mm e machining production method and e direction of lay in the symbol form as e m e r

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for jis symbols specify roughness ra roughness rz rmax for gost symbols you can also select use for notation displays the surface finish symbol 0.5 times larger than the default size add default symbol displays the default surface finish symbol in parentheses format use document font

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bs en iso 1302 2002 geometrical product specifications gps indication of surface texture in technical product documentation for notes on surface roughness use link surface roughness notes the symbol indicates the surface finish requirements and shows a machining allowance requirement of 3mm on all surfaces

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let s take a look how the jis defines each type of plating such as chrome plating and zinc plating the jis defines the types grades and symbols for electro galvanizing as shown in the table below

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1 positions of auxiliary symbols for surface symbol a surface roughness value cut off value or reference length machining method grain direction surface undulation etc are indicated around the surface symbol as shown in fig 1 below fig 1 positions of auxiliary symbols

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surface symbol symbol indicating a surface where removal processes are prohibited symbol indicating a surface that requires a removal process examples of indicating the ra upper limit a b c example of indicating grain direction examples of indicating ra upper limit and lower limit a b examples of indicating the machining method

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jan 6 2021 the basic surface finish symbol is a check mark with the point resting on the surface to be specified variations of this symbol provide additional instructions as described in the table below figure 5 surface finish symbols basics surface finish symbols 2021 solidworks help - Jan 11 2023

surface finish symbols you can specify the surface texture of a part face by using a surface finish symbol you can select the face in a part assembly or drawing document surface finish symbols are formed by combining the symbol and lay direction direction of lay

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to open the surface finish propertymanager do one of the following insert a new surface finish symbol click surface finish on the annotation toolbar or click insert annotations surface finish symbol select an existing surface finish symbol

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may 12 2020 it is suggested to indicate the surface roughness on drawing by symbols the bis recommended symbols for indicating the surface finish are shown in table a for the roughness values greater than $25\mu m$ the symbol is used for roughness value less than $25\mu m$ the equilateral triangular symbol is used toolbox surface finish symbols dialog box 2022 draftsight - Feb 12 2023

use the toolbox surface finish symbol dialog box to configure the surface finish symbols you add to drawings to open the toolbox surface finish symbols dialog box do one of the following click surface finish symbols mechanical toolbox toolbar surface finish symbols for engineering drawings mechheart - Jul 05 2022

may 28 2023 the surface finish symbol standards refer to the internationally recognized guidelines and conventions for representing surface finishes on engineering drawings there are mainly two standards iso 1302 asme y14 36 you can follow the above standards when you need to use surface finishing symbols for your drawings

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understanding surface roughness symbols symbols that indicate the surface texture of machined and structural parts are used in industrial diagrams the pictorial representation using these symbols is defined in iso 1302 2002 this section will explain how to write these symbols to indicate surface textures terminology explanation