

# Answer Key Exhibit Hall Treasure Hunt (Grades 7-12) Answer Key

## Black Earth/Big River

1. Turn the "Nature's Web Wheel". List three possible results of removing hawks, owls, and other birds of prey from a habitat.
  - A. Mice, shrew, and chipmunk populations rise.
  - B. Microbial diseases associated with these species also rise.
  - C. More songbirds means many must compete for nesting space.
2. Name and describe the state mineral or rock of your state.
  - A. IL - fluorite; square shaped crystals; transparent or translucent
  - B. IA - geode; round and hollow with crystals inside
3. Explain the role that water has in creating limestone caves.
  - A. Rainwater seeps through layers of leaves, becoming slightly acidic. This water slowly dissolves away spaces in the limestone bedrock.
4. List ways that locks, dams, and dredging alter the Mississippi River.
  - A. The river is more like a series of lakes and pools. Alterations have meant the loss of bottomland hardwoods and backwater wetlands.
5. EXTRA CREDIT - Identify people and organizations who can help prevent excessive soil loss, pollution and river degradation.

We all can! Farmers, developers, commercial businesses, homeowners and you!

## Hall of Mammals

1. Describe three ways that polar bears are equipped to survive in a harsh Arctic climate.
  - A. Fur and black skin act like solar collectors. (Eyesight good both day & night.)
  - B. Jaws can kill a seal with one bite. (Superb hearing and sense of smell.)
  - C. Fat gives insulation and built-in food reserves.
2. Beluga whales have no outer ear. How do they hear?

The sound goes through a thin bone at the back of the lower jaw.
3. What two kinds of milk do mother kangaroos produce to feed their young?

whole milk                      skim milk
4. What two things determine the size and color of a lion's mane?

high altitude                      size of pride (family group)

## Gems of the Earth

1. Name the four prized characteristics of precious gems.
  - A. color
  - B. transparency
  - C. hardness
  - D. rarity
2. Quartz are the most common minerals found on Earth.
3. What is the name of the largest gold nugget ever found?

Welcome Stranger

## Asian Gallery

1. Name the three weapons carried by the Japanese professional warrior, known as the Samurai.
  - A. long sword
  - B. short sword
  - C. dagger (small knife)
2. The Chinese began making coins by the time of the Chou Dynasty (1027-256 B.C.). What had the Chinese previously used for money?  
shells

## Unearthing Ancient Egypt

1. What would happen to our male mummy if he were to be unwrapped? His body would fall into pieces
2. The final rite of the funeral procession was the Opening of the Mouth. What was the purpose of this ceremony?  
It restored the functions of a living person to the mummy, allowing the mummy to eat, drink, and speak in the afterlife.
3. The female mummy is believed to be from the 30th Dynasty and the Akhmim region.

## River, Prairie and People

1. The Nations Moves West - Name three famous explorers of the Mississippi River and the year their expeditions began.
  - i. Lt. Zebulon Pike 1805
  - ii. Marquette 1673
  - iii. Jolliet 1673
2. Name the two railroad lines that met at the Mississippi in 1854.
  - A. Chicago & Rock Island Railroad
  - B. Mississippi & Missouri Railroad
3. Name the five Civil War training camps that were located in Davenport.
  - A. Camp Joe Holt
  - B. Camp Hendershott
  - C. Camp Herron
  - D. Camp Roberts/Kinsman
  - E. Camp McClellan
4. Name four industries that were important to the economic development of this area.  
Agriculture, Coal Mining, Banking, Cigars, Farm Machinery, Buttons, Ice, Shipping, Military, Manufacturing.
5. Blacks lived in this region well before 1860. Name an individual of the black community and something significant about him or her.  
Eudora Nuckolls - 1<sup>st</sup> Black graduate of Davenport HS; Mathilda Busey - advocate for education; Milton Howard - long army career; Albert Nuckolls - bought his own freedom
6. Many children who lived in the Victorian Era contracted incurable diseases and never reached their teenage years. Name two of these diseases. Hint: Find the dominoes, a favorite game of Victorian children.
  - A. measles
  - B. diphtheria (also scarlet fever)