
NATURALLY ILLINOIS EXPO FIELD BOOK ANSWER KEY

1. Backyard Diversity—Insects of Illinois and Beyond

- Q1) True
Q2) False

2. Turtles of Illinois

- Q1) 17
Q2) False

3. What Happens to Your Electronic Waste? – Sustainable Electronics Initiative

- Q1) True
Q2) 15%

4. Mussels of Illinois

- Q1) One
Q2) True

8. INRS Libraries

- Q1) f. All of the above
Q2) True

10. Minerals and Ancient Creatures

Weathering and erosion—or water and wind.

11. Underground Cavern Display

- a. Ceiling

12. Illinois Minerals

Varies

13. Groundwater: A Moving Experience

- Q1) True
Q2) A well

14. Groundwater: Understanding the Mahomet Aquifer

- Q1) Answer will vary by location. The water source is ultimately rain and snow that either runs off into a river/lake (surface water) OR infiltrates to become groundwater.
Q2) An aquifer

15. Build Illinois

- Q1) c. Coal
Q2) b. Glaciers

16. Microcritters: Dead and Alive

- Q1) About 0.5 mm
Q2) Ostracode shells, Clam shells, Wood fragments

17. Coordinated Hazard Assessment Mapping Program

Flooding

19. Illinois Rivers Online (poster)

- Q1) Varies by location
Q2) All answers can be considered correct since smaller watersheds are nested within larger ones. Here, the Sangamon is within the Illinois, which is within the Mississippi.

20. Midwestern Regional Climate Center

- Q1) Six
Q2) Agriculture, energy, transportation, risk management, water resources, environment, or health

21. Fun with Gases, Liquids, and Solids

- Q1) c. Nitrogen & oxygen
Q2) a. It expands

22. Digital Topographic Map of Champaign County (poster)

Light Detection and Ranging

23. Fun with Water Chemistry

- Q1) a. Acidic
Q2) c. Many parts

24. CoCoRaHS!

Rain, snow, and hail; or precipitation

25. Climate and Climate Change in Illinois

- Q1) b. -36 degrees
Q2) Wetter. Illinois gets almost 39 inches of precipitation compared to 15 inches in Colorado

26. Fun with Weather

- Q1) Varies
Q2) Varies

27. What's in Our Rain?

- Q1) Acidic
Q2) Acidic, Neutral, Basic

28. Monitoring Birds in Illinois

- Q1) a. To avoid predators, such as a raccoon or a snake
Q2) True

29. Mud to Parks

- Q1) Mud
Q2) Topsoil

30. Biofuels—From Waste to Biodiesel

- Q1) Used cooking oil
Q2) True
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NATURALLY ILLINOIS EXPO FIELD BOOK ANSWER KEY continued

31. Biochar

- Q1) Yard waste
Q2) Spices
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32. Building a Sustainable Energy System in Haiti with *Jatropha curcas*

- Q1) d. Both a and b
Q2) Tropical
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33. PPCPs, Emerging Contaminants in the Environment

- Q1) c. Both a and b
Q2) No
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34. Kids Fossil Dig

- Q1) Any evidence of past life
Q2) Illinois was once covered by a shallow inland sea
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35. Rocks, Bones, Pots, and People: What does it all mean?

- Q1) Artifacts such as projectile points, stone and bone tools, pottery, broken animal bones, and burned plants such as seeds, corn, nuts and wood. Differences in soil colors reveal remains of houses, trash pits, hearths, and burials.
Q2) Archaeology is the study of how and why societies change over time. We learn from artifacts the diets and environment of past peoples; their technology, such as their tools, pottery, jewelry, house construction, village organization; daily life; social behavior. Differences in types of artifacts between sites from different time periods help us answer questions about how and why cultures change.
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36. Glacial Geology of Illinois

A moraine

37. Sloth Says...Ice Age, WHAT?

The sediment or debris deposited by a glacier

38. Corrosion Showcase

- Q1) No
Q2) No
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39. Illinois Wetlands: A Water Resource

- Q1) Water, hydrophytic (water-tolerant) plants, hydric soils
Q2) They reduce sediment and contaminants in our streams and rivers, reduce flooding, recharge our groundwater supplies, provide food and nesting places for many different animals, provide recreation for people who like to fish, birdwatch, hunt.
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40. How Streams Work

- Q1) The land area that drains into a stream or a ridge of land that separates two river systems
Q2) Downstream or downhill
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42. Get to the Core: Steamy Swamps and Ice Age Glaciers

- Q1) c. 20,000–800,000 years old AND d. Less than 20,000 years old
Q2) a. Tropical swamps, bogs, and wetlands
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43. Mining of Coal Resources in Illinois

- Q1) 211 billion tons
Q2) a. Plant debris
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44. Borehole Geophysics

- Q1) Gamma radiation, resistivity, density, moisture, hydrogen, or temperature
Q2) The sun, certain earth materials with increased radioisotopes (uranium, potassium), clay-rich material
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45. Research off the Grid

- Q1) Solar and wind
Q2) Night time, Cloudy days, Winter
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Traveling Science Center (poster)

- Q1) 78,000
Q2) The Rivers of Illinois
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