
NATURALLY ILLINOIS EXPO FIELD BOOK ANSWER KEY

1. Backyard Diversity: Insects of Illinois and Beyond

- Q1) b. Milkweed
Q2) a. Chewing

2. Fossil Insects

- Q1) a. Rhyniognath hirsti
Q2) b. Fossilized plant resin

3. The Stream Team: Representatives of Native Illinois Fish

- Q1) c. Bluegill
Q2) Gills

4. Crayfish: Keystone Species of Central Illinois Streams

- Q1) b. Chelae
Q2) Five

5. Illinois Mussels: Livers of the Rivers

- Q1) Tiny things! Algae, bacteria, plankton
Q2) No

6. Mosquitoes and Diseases

- Q1) d. Nectar & blood
Q2) c. about 60

8. INRS Libraries

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

9. INRS Publication Sales and Teacher Information

- Q1) c. Fluorite
Q2) b. Cardinal

10. Storm Water Floodplain Simulation System

- Q1) Flooding
Q2) Increases it

11. Earthquakes Now and Then

- Q1) False
Q2) If indoors, drop to the floor, take cover and hold on.
If outdoors, move away from buildings, streetlights and utility wires.

14. Underground Cave Display and Cave Exploration

- Q1) Dangerous
Q2) Water

15. Understanding Groundwater and Water Wells

- Q1) No
Q2) Yes

16. Mapping in 3-D

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

17. Build Illinois

- Q1) c. Coal
Q2) b. Glaciers

18. Illinois Height Modernization Program

- Q1) Flood insurance maps, highway planning, find your house or a location, archaeological mounds, etc.
Q2) Elevation information, high and low points in a county, geologic features at the earth's surface, natural and human-made features

19. The Climate of Illinois

- Q1) b. -36°F
Q2) b. 117°F

20. Community Collaborative Rain, Hail, and Snow Network—CoCoRaHS

- Q1) Rain, snow, hail, precipitation
Q2) Rain gauge

21. Weather on Your Birthday—Midwestern Regional Climate Center

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

22. New ISGS STATEMAP Geologic Maps

- Q1) Surficial geology and bedrock geology
Q2) Cahokia, Equality, Glasford, Banner, Tradewater, or Kinkaid Formations; Palestine Sandstone; Menard Limestone; New Albany Shale and Pennsylvanian Bedrock

23. Fun with Gases, Liquids, and Solids

- Q1) b. It expands
Q2) c. Frozen carbon dioxide

24. Fun with Water Chemistry

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

25. The Many Wonders of Carbon Dioxide

- Q1) True
Q2) True

26. Kids' Fossil Dig

- Q1) Mississippian age (~315–345 million years old)
Q2) Any evidence of past animal or plant life
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27. Biomass to Biofuels and Biochar

Q1) Yes

Q2) Yes

28. Waste Not, Want Not—Biofuels Without Borders

Q1) Both b. Waste oil and c. Plants

Q2) Tropical; hot and humid; warm

29. Monitoring Contaminants in Humboldt Penguins

Q1) South America

Q2) c. Feathers and blood

30. Pharmaceuticals and Hormones in Animal Farm Runoff

Q1) c. Animal and human wastes

Q2) True

31. Plants of Illinois

Q1) Forest, savanna, prairie, wetland (swamp, marsh, stream, fen, seep), urban (yards, parks, gardens)

Q2) 3248 separate species of vascular plants (2279 are native & 969 are non-native)

32. Turtles of Illinois

Q1) d. Green sea turtle

Q2) False

33. Impacts of Lead Fishing Tackle

Q1) Loon, Daphnia (water fleas), Hyalella (amphipod), Asiatic clam (Corbicula), Elodea (pond weed)

Q2) Fishing sinkers, bathroom cleaner, drain cleaner, etc.

34. Mud to Parks: Beneficial Use of Sediment as Soil

Q1) b. soil

Q2) c. mud

35. Name That Bird: Different Approaches to Identifying, Observing, and Recording Birds

Q1) To capture and eat its food

Q2) d. All of the above

36. What Happens to Your Electronic Waste?

Q1) True

Q2) a. 15%

37. Mammals

Q1) 60

Q2) True

38. What's in Our Rain?

Q1) A. Decreased, B. Increased

Q2) Bioaccumulation

39. Cleaner Coal for Illinois

Q1) True

Q2) True

40. Coal in Illinois

Q1) Electricity and heat

Q2) b. plants

41. Get to the Core: Steamy Swamps and Ice Age Glaciers

Q1) c. 21,000 to 1 million years old

Q2) a. Tropical swamps, bogs & wetlands

42. Field Geologists Decipher Hidden Landscapes and Seascapes in Illinois

Q1) Topographic map, compass, GPS

Q2) Different rock formations (rock layers)

43. Natural Resources Through Time—Salt Production

Q1) Salt

Q2) Food or meat

44. Natural Resources Through Time—Flint Knapping

Q1) Arrowheads

Q2) Flint/chert, antler, rocks

45. Rocks, Bones, Pots, and People: What Does It All Mean?

Q1) d. All of the above

Q2) Past

46. Sloth Says....Ice Age, What?

Q1) b. Erratics

Q2) c. Moraines

47. Glacial Geology of Illinois

Q1) Yes

Q2) d. Striations

48. Corrosion Showcase

Q1) No

Q2) Yes

49. What's in a Wetland?

Q1) Wetland soils, wetland plants, water

Q2) Cranberries

50. How Streams Work

Q1) The triangular land area at the river mouth

Q2) The area of land where all of the water that is under it or drains off of it goes into the same place

53. Traveling Science Center—Illinois Biodiversity and Exotic Invasive Species

Q1) c. Insects

Q2) d. All of the above
