

## 2017 Clean Water Celebration Exhibit hall booths and questions

1. Peoria County – Becca Cottrell (Hollis School will Man the Booth)
  - How does composting work?
  - b. What should you leave out of the composting bin?
2. Illinois association of Groundwater Professionals “Groundwater's Importance to Illinois”
  - 1. What is an aquifer?
  - 2. How does a well work?
3. Illinois Community College – Biology Dept “Aquaponics, How Water Works to Grow Food”
  - 1. What is Aquaponics?
  - 2. How does the system conserve water?
4. Peoria Academy “Peoria Academy's Stream Discovery Program”
  - 1. Why is dissolved oxygen important for healthy streams?
  - 2. Name an example of a macroinvertebrate that is sensitive to water pollution
5. Illinois EPA - “Tools Used to Assess Illinois Water Quality”
  - 1. Name one example of non-point source pollution
  - 2. Give an example of a tool that can be used to indicate water quality
6. Mackinaw Valley Long Rifles “Illinois River Transportation and History Pre-1800”
  - 1. How did the early settlers travel on the Illinois River before 1800?
  - 2. What type of canoe did the early Native Americans use on the Illinois River?
7. Illinois American water “Safe Drinking Water Delivered to Your Tap”
  - 1. Why and how is Chlorine used in water treatment?
  - 2. How does your family water bill contribute to water service?
  - 3. Why do we add Fluoride to water?
8. Illinois American water (one booth next to Paul Ritter’s group Pontiac HS)  
(look to booth #7)
9. PDC Laboratories INC. “Different Techniques on Sampling Monitoring Wells”
  - 1. Which sampling method causes the most disturbance in the well?

- 2. What is a limitation of a bladder pump?
10. Trees Forever “We All Need Trees”
- 1. What is a riparian buffer?
  - 2. What trees support the most number of pollinators?
11. The Rivers Project “A Look Through the Digital Microscope: Tells Stories of the River”
- 1. Create a drawing of something you saw through the digital microscope
  - 2. Compare the observation of a riverbed rock using your eyesight, compared to the digital microscope.
12. East Peoria Community HS Hope Club “Keeping Earth Habitable”
- 1. What does habitable mean?
  - 2. List 3 things we need to do to keep planet Earth habitable.
13. Pontiac High school – Paul Ritter “Operation Endangered Species and the P2D2 Program, you can be the difference.”
- 1. What species does Operation Endangered Species currently work with?
  - 2. What does the p2d2 program do?
14. Illinois American Water (see booth)
15. Illinois American Water “pledge booth”
- Take the Water Pledge!
16. U of I Extension Office “Developing Knowledge and Respect for the Environment”
- 1. What is the state of Illinois mammal?
  - 2. What makes a mammal a mammal?
17. Heart of Illinois Sierra Club “The Impact of Climate Change on Water”
- 1. What two factors can cause the sea level to rise?
  - 2. Name two ways climate change can negatively impact the availability and quality of fresh water.
18. Sun Foundation “Magical Properties of Water”
- What is unique about water?
  - What two magical properties of water allow bubbles to form?

19. Sun Foundation "Art and Science in the Woods"
20. Hollis Grade School "Composting"
  - 1. What is composting?
  - 2. Why is composting important?
21. Ameren Illinois "Energy Efficiency"
  - 1. Why are we changing out our incandescent light bulbs to CFLs/LEDs?
  - 2. Why do we need to recycle our CFL bulbs?
22. City of Peoria Public Works "Understanding Storm water in Our Community"
  - 1) Where does storm water go?
  - 2) What damage can storm water cause?
23. Peoria Play House Children's Museum "Animals of the Illinois River"
  - 1. What animals live in and around the Illinois River?
  - 2. What steps can be taken to protect these animals from the dangers of water pollution?
24. Origami (Make a water cup)
25. Origami (Make a water cup)
26. Dickson Mounds Museum "Ancient Native American use of natural resources for survival."
  - 1. What materials did the ancient Native Americans use to make these 3 gardening tools?
  - 2. What materials did the ancient Native Americans add to clay when making pottery to make the pots stronger?
27. USDA APHIS PPQ "Invasion of the Habitat Snatcher"
  - 1. What are Invasive Species?
  - 2. Describe the potential impact of an invasive species on a watershed.
28. Tazewell County Health Department "Landfill Recycling & Groundwater Protection"
  - 1. How does recycling protect the groundwater?
  - 2. Can electronic waste be put in our landfills?
29. Monarch Butterfly Task Force "Plight of the magnificent Monarch Butterfly"
  - 1. Why is it so important to assist in increasing the majestic monarch population?
  - 2. What is the most important plant to plant for the majestic monarch's survival?

30. Tazewell County Health Department – Central Groundwater Region “Human Impact on Groundwater”

- 1. How can we accidentally contaminate our groundwater supply?
- 2. What do we need to properly seal a private well to protect the groundwater?
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31. Greater Peoria Sanitary District “Sewage Treatment Through Biology”

- 1. What is the name of a biological sewage treatment process?
- 2. Name 3 micro organisms involved in sewage treatment.

32. Lincoln College “Come Explore the World of Illinois Citizen Science Through Aquatic Bugs!

- 1. Name one Illinois macroinvertebrate indicator species that is considered intolerant of pollution.
- 2. Macroinvertebrates make good biological indicators because...? A) ...they are relatively sedentary and can be easily collected. B) ...they are sensitive to changes in the aquatic environment or C) ... different macros have different levels of pollution tolerance or D) All of the Above.

33. US Army Corp of Engineers “Illinois Waterway & Safety”

- 1. How many locks and dams are on the Illinois Waterway
- 2. These float and you don't, what are they?

34. Illinois State University – SMART Grid Car “SMART Grid for Schools - Interactive Display” Please select 2 questions

- 1. What is the smart grid?
- 2. How does it affect you?
- 3. How does a smart meter differ from a regular meter?
- 4. How does a smart meter affect energy usage?

**\*IAW trailer**

This is a break out scheduled presentation in the exhibit hall.