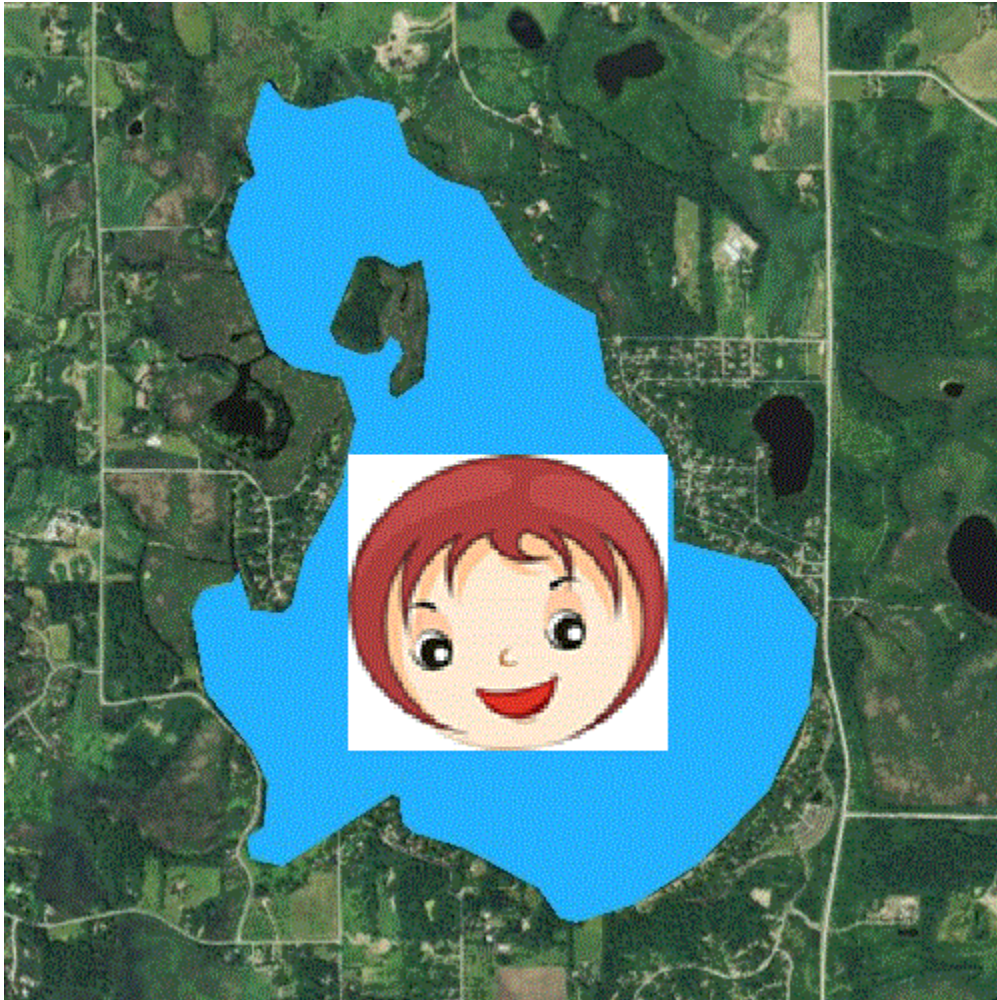


# Indy and you Trivia Quizster

Welcome to the annual meeting about me – lake Independence, and my caregivers.

I hope we can be best friends and create memories together with your family and friends and leave a legacy of clean clear sky blue waters teeming with fish and fun.

I want to be the best host I can, but I need a little help from the community. LICA put this fun and optional educational quiz together so you can get to know me better and understand my treatment plan to get even better. You can complete this sometime during today's presentations or at home. Hint; some of the answers will be revealed by the presenters or available on the linked websites if you hunt for it. The answer key will be posted on the LICA website.



How well do we know each other?

1. What year was I discovered by white settlers and given my name?
  - a. 1922
  - b. 1912
  - c. 1894
  - d. 1854
  
2. There was once a large Dakota Sioux settlement on my shores?
  - a. True
  - b. False
  
3. How was I formed?
  - a. By meteor impact
  - b. Crustal upheaval
  - c. Damming up the outlet
  - d. Lake Independence is roughly 10,000 to 15,000 years old, formed during the last glacial period (Wisconsin Glaciation) as glaciers retreated, leaving behind depressions that filled with water.
  
4. What's the average annual rainfall I receive?
  - a. 19"
  - b. 29"
  - c. 39"
  - d. 49"
  
5. In years when I receive more rainfall - I also receive more phosphorous inflows?
  - a. True
  - b. False
  
6. Water that comes into me stays how long before it leaves (residence time)?

- a. 6 weeks
  - b. 6 months
  - c. 6.4 years
  - d. 16.4 years
7. At one time I had how many resorts on my shores?
- a. 1
  - b. 2
  - c. 3
  - d. 4
8. How many visitors did Baker Park have in 2022?
- A 280,000
  - b. 380,000
  - c. 480,000
  - d. 680,000
9. How big is my watershed neighborhood?
- a. Hennipen county west of 494
  - b. 1234 acres
  - c. 5248 acres
  - d. 7631 acres
10. What year was I put on the sick list (impaired waters)?
- a. 2002
  - b. 2010
  - c. 2007
  - d. never
11. Why was I added to the impaired waters list?
- a. People complaining about all the weeds
  - b. Large fish die offs
  - c. To many carp
  - d. Excess nutrients (P) above standard set for my lake type.

12. What organization has primary responsibility and authority for my improvement planning and remedy implementation?
- MN DNR
  - MN PCA
  - LICA- Lake Independence Citizens association
  - Pioneer Creek Lake Sarah Watershed Commission
13. Why is Phosphorous (P) a key nutrient to control to improve water quality?
- It is the primary limiting nutrient to freshwater algae and plant growth.
  - Small amounts have a big magnifying affect on plant growth.
  - Phosphorous accumulates in sediments and biomass and lacks natural removal mechanisms in lakes- (hard to get rid of).
  - All the above
14. To improve my health, I have been put on a Phosphorous diet in what is called a TMDL Plan (Total maximum Daily Load) which has been submitted and approved by the MNPCA and MN Bureau of water and soils. It specifies how much P I can accept and still be healthy and meet the goal, and a diet plan to reduce phosphorous intake from inflows and P already in my sediments. My P diet goal is:
- 100ug/L (micro gram per liter)
  - 60mg/L
  - 40mg/L
  - 36mg/L
15. Which is not a common source of phosphorus in my waters?
- Forest fire smoke
  - Animal poop
  - Excess fertilizer uses and run-off.
  - Erosion and mobile soil carrying P.
  - Feedlots and stables – manure run-off
  - Outboard motors
16. Which of the following are invasive species in my waters?
- Zebra mussels
  - Eurasian Milfoil
  - Curley leaf Pondweed

- d. all the above
17. Why is there an initiative to control my Curley leaf pond weed?
- a. It has spread greatly in recent years.
  - b. Leave room for native species to grow.
  - c. Curley leaf transports sediment P via roots into the water column when the green stalks die in late June and decay.
- D. All the above
18. What is true about my island?
- a. Many Indian artifacts and burial mounds were discovered on me in 1855.
  - b. I am owned by the YMCA.
  - c. During the 1930s drought you could walk to the island via a makeshift bridge.
  - d. All the above
19. I reside within whose municipal boundaries.
- a. Loretto/Maple Plain
  - b. Maple Plain/Medina
  - c. Independence/Medina
  - d. Loretto/Independence
20. The MNDNR manages me for which primary species?
- a. Bass & sunfish
  - b. Walleye
  - c. Muskies, pike, Bass
  - d. Muskies, Walleye, perch
21. What species is regularly stocked in me as fry or fingerlings? (all that apply)
- a. Pike
  - b. Crappie
  - c. Walleye
  - d. Muskie

22. Which of the following has not been found in my waters?

- a. Whitefish
- b. Smallmouth bass
- c. Brown trout
- d. **All the above**

23. The exit path of my water goes through the following watershed sequence?

- a. Baker park-Lake Minnetonka-Minnehaha creek-Mississippi river
- b. Spurzeum creek-crow river-Mississippi
- c. Pioneer creek-lake Waconia-Minnesota river
- d. **Pioneer creek-OX Yoke lake- Rice Lake –deer creek- south fork crow river-  
Mississippi river**

24. What can you do to be my good friend?

- a. Stop the spread of AIS Aquatic invasive Species by following the DNR recommendations and those posted at boat landings.
- b. If you witness a chemical spill call authorities
- c. Wash vehicles at licensed car washes on sewer system.
- d. Test soil for fertility before purchasing fertilizer. Use zero P fertilizers if any at all.
- e. Pick up your pet poop and dispose of it in trash.
- f. Don't encourage geese congregation on your shoreline.
- g. Use sand instead of salt for managing ice.
- h. Protect your land or shoreline from erosion – plantings to retain soil and slow run-off etc.
- i. Comply with wake ordinance-reduce sediment stirring and shoreline erosion.
- j. Keep organic matter out of storm drain system (leaves & cuttings)
- k. If you catch a carp, don't throw it back, rather dispose of so decomposition P doesn't enter lake. Carp stir up sediment and uproot plants too.
- l. Visit [www.pioneersarahcreek.org](http://www.pioneersarahcreek.org) website. Look around, click on links.
- m. Visit [www.lakeindependence.org](http://www.lakeindependence.org) website. Look around, click on links. (score this quizster)
- n. Join, Volunteer or donate to LICA to fund their mission-protecting and having fun with me.
- o. Set an example for younger citizens to be good stewards of our natural resources.

p. All the above.