
2025 Aquatics Resources for 3rd & 4th Grades

Ponds and Lakes

Testing Resources:

1. Ponds & Lakes
2. Seasons of a Pond – PLAY
3. Sunfish Family – PLAY (p. 1-5)
4. The Perch Family – PLAY (p. 1, 3, & 5)
5. All About Pike – PLAY (p. 1-5)
6. PA Handsome Hoppers – PLAY – Learn information in text & photos. Do not need to learn all 16 frogs & toads listed on p. 7.
7. Fun with Frogs – Frog Sounds – YouTube: Learning the Frog Sounds of Calvert County, Maryland (know five frogs/toads listed in study list) - <https://www.youtube.com/watch?v=aPIWrEl84-I>
8. Where Do They Go in Winter? – PLAY

Focus:

- Know key features of Ponds & Lakes (habitat zones, aquatic plant location/benefits)
- Understand a simple water cycle and simple food web (or energy cycle)
- Be able to identify and know characteristics of species on the study. Be able to identify by live sample, photo, drawing, or mounted specimen
- Familiarize yourself with all study resources. If it is in the study resources, expect to be asked a question about it.
- Does spelling count? It might be the only way to break a tie. And is it fair to give credit to the team that spells “Phosphorus” correct, and the team that spells it “Fosforus?” Tell your students to do their best with spelling.

Species Study List:

Yellow perch	Chain pickerel	Largemouth bass	Smallmouth bass
Northern pike	Muskellunge	Walleye	American toad

Know calls of the following: bullfrog, American toad, wood frog, spring peeper, & northern green frog

Sample Questions:

Which amphibian has dry skin that is bumpy and warty

- a. Frogs
- b. Toads**

Green plants convert the sun’s energy (it’s heat) into food during what process?

- a. Photosynthesis**
- b. Condensation

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