

NORTHWOODS STEWARDSHIP CENTER

Wonders of Wood and Water with the NorthWoods Stewardship Center

Amphibians and Vernal Pools

Teacher: Wyatt Peterson

April 29, 2020

The following websites represent additional resources for continued study of the topics covered in our "Wonders of Wood and Water with the NorthWoods Stewardship Center" online class. All materials are the property of each individual website owner and have been reviewed by a Fairbanks Museum & Planetarium educator.

The link below takes you to the *Amphibian Skin* activity in a PDF with many other activities. The *Amphibian Skin* activity is meant to follow-up the "Amphibians and Vernal Pools" video. This assignment is written for a teacher so working with a parent-supervisor is recommended.

Amphibian Skin is provided by the Education Department at Omaha's Henry Doorly Zoo and Aquarium and found on the website <https://howtosmile.org>.

In this activity, learners explore the concept of permeability to better understand why amphibians are extremely sensitive to pollution. Learners soak one regular hard-boiled egg and one peeled hard-boiled egg in dyed water and then record how the eggs' circumference and appearance change after 24 hours. Learners investigate how the peeled egg represents amphibian skin and how amphibians are affected by pollution.

https://assets.speakcdn.com/assets/2140/Amphibian_edu_guide.pdf#page=13

or

<https://www.howtosmile.org/resource/smile-000-000-003-853>