



**Aquatics Resources for 5<sup>th</sup> - 8<sup>th</sup> Grades**

**Testing Resources:**

1. PLAY Spring 2021 Dive into Stream Ecology
2. A River Flows Through It
3. First Order Streams (PLAY Summer 2004)
4. PLAY Spring 2015 All About Trout
5. PLAY Fall 2015 All About the Pike Family
6. PLAY Spring 1999 Spring Cleaning
7. PA Fish and Boat Commission's Fish Book- focus on Species Overview and Habitat of the following fish:
 

American Eel	Blacknose Dace	Brown Bullhead	Common Carp	Sculpins
American Shad	Brook Trout	Brown Trout	Muskellunge	Walleye
Atlantic Sturgeon			Rainbow Trout	White Sucker
8. Diadromy
9. PLAY Summer 2005 PA's Most Migratory Fish
10. Atlantic Sturgeon/American Eel
11. PA F&BC's Amphibians & Reptiles Book- focus on General Characteristics and Habitat of the following species:
 

Common Snapping Turtle	Northern Copperhead	Eastern Hellbender	Northern Dusky Salamander
Map Turtle	Northern Water Snake	Longtail Salamander	Northern Red Salamander
Stinkpot Turtle	Queen Snake	Mudpuppy	
12. Coloring Series Eastern Hellbender
13. Smart Angler's Notebook: Crazy Crayfish
14. A Wet World
15. Creek Connections, Allegheny College
 

Caddisfly Larva	Dobsonfly Larva	Stonefly Nymph
Crane-fly Larva	Mayfly Nymph	Water Penny

**Focus:**

- Understand the characteristics of streams and rivers including stream order.
- Have a basic knowledge of river and stream habitats from headwater streams to wide rivers, cold water to warm water, and the animals that inhabit each.
- Know general information and habitat preferences of the fish, macroinvertebrates, salamanders, and turtles listed.
- Identify the migratory fish living in Pennsylvania's rivers .
- **Be able to identify all the above animal species by live sample, photo or drawing.**

**Sample Questions:**

- 1) If you were fishing for brook trout which of the following streams would you use?
  - a) Slow moving deep stream.
  - b) Cold fast-moving headwater stream.**
  - c) Wide warm river.
- 2) Which fish is Pennsylvania's largest reaching a length of 12 to 14 feet?

**an environmental education partnership**