

eptiles and amphibians are collectively known as herptiles, or herps, and people who study their lives are called herpetologists. Herptiles are very sensitive to their surroundings and give scientists clues about environmental changes.

While herptiles all look different, they are all ectothermic, or cold blooded, and rely on their environments to warm and cool their bodies. They control their body temperatures by moving to sunny or shady places. Let's learn more about herps!



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The eastern hognose snake rarely bites. Instead, when threatened it will behave aggressively, spread its head into a hood like a cobra, or play dead by rolling onto its back while letting its tongue hang out.



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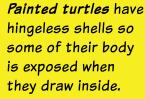


and you may have seen them sunning themselves or slowly crossing a road.

The difference between turtles and other herptiles is that they have a shell that protects their body. The shell is divided into two parts: the upper shell called the carapace, and the lower shell called the plastron. These shells are made of a thin top layer of keratin, like your fingernails, and a layer of bony plates underneath, which gives the shell its shape. The turtle's ribs and backbone are part of the shell.



American box turtles have a hinge on their lower shell, which allows them to pull their head and feet inside and close the front and rear openings tightly.



Turtles lay eggs
that have leathery
shells. Different
turtles choose
different
places to nest,
but they all dig
with their hind
legs. When the
young hatch, the
baby turtles are on
their own.





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One of New Hampshire's largest salamanders is the spotted salamander. It can grow up to 7 inches long.

Wood fro first frog of winter hear ther

SALAMANDERS AND NEWTS

Twelve types of salamanders can be found in New Hampshire. Unlike frogs, salamanders are silent amphibians. They have legs and a tail, but no eardrums, so they don't make any noise because they wouldn't be able to hear each other. Salamanders are relatively easy to identify because of their smooth skin, long tail, and four legs. Some adult salamanders are found only in water, some live only on land, and others need both water and dry land to thrive.

The four-toed salamander is our smallest, growing to only 3½ inches long.

FOUR-TOED SALAMANDER

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Red-spotted newts are New Hampshire's State amphibian. They are born in the water, grow up on land, and return to the water as adults to lay eggs.









New Hampshire's smallest frog is the **spring peeper**. It is also one of our loudest frogs!



Timber RATTLESNAKE

The **timber rattlesnake** is our rarest snake. There are so few that they are the most endangered animal in New Hampshire. Timber rattlers are New Hampshire's only poisonous snake. They use venom to kill their prey. They are ambush hunters. This means they will find a spot in the forest near a fallen log or stone and wait for a mouse or chipmunk,

biting it as it passes by.

Timber rattlesnakes give
birth to live baby snakes
called neonates. Unlike
other snakes, a mother
rattlesnake will care
for its young for about
a week before leaving
them on their own.

Rattlesnakes have a rattle at the end of their tail that they shake when they feel threatened.

RATTLESNAKE IMAGES © NHFG STAF



Morthern REDBACK SALAMANDER

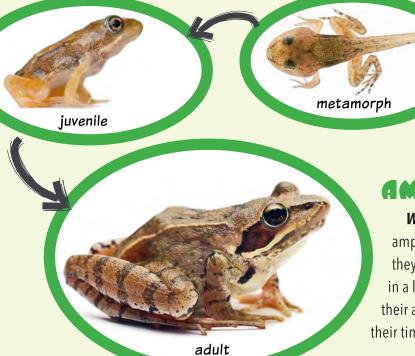
The northern redback salamander is our most common land animal, but most of us have never seen one because they live under rocks, logs, and under the forest's leafy floor. In midsummer, the female deposits up to 14 eggs in a rotting log or in leaf litter, and she stays with them until they hatch. When they are born they look like small adults.



Redback salamanders have two color phases, the redback phase and the *leadback phase* (above).



Growing Up



amphibians

Wood frogs, like most amphibians, live a double life. When they are born they live in the water in a larval stage, like tadpoles. In their adult stage, they spend part of their time on land.



tadpole

egg

REPTILE!

WOOD FROG LIFECYCLE @ ISSELEE / DREAMSTIME.COM

Unlike amphibians, when reptiles are born they are like tiny versions of adults. All turtles and some snakes develop inside an egg and later hatch. But their are some snakes that are born live and can be as little as a small earthworm.

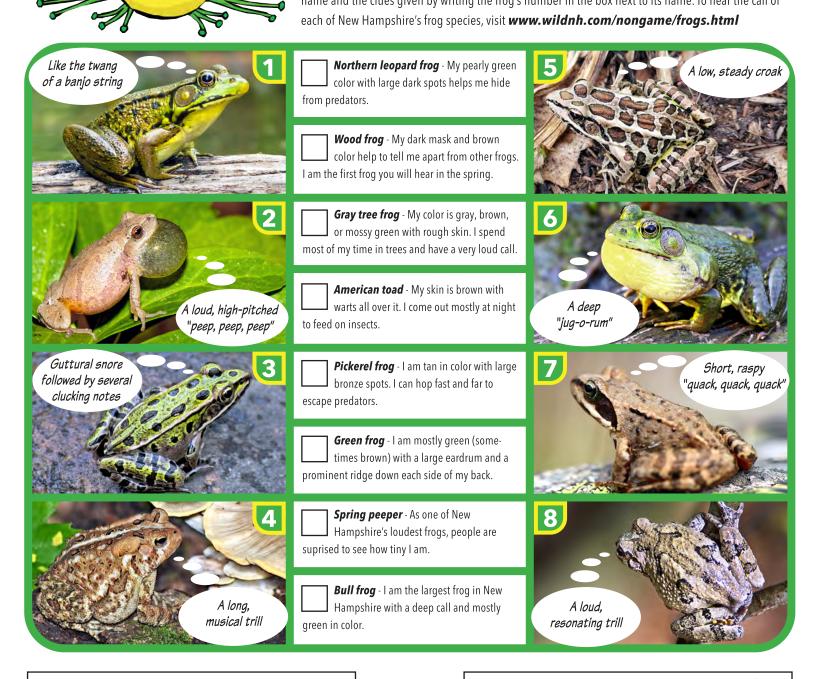




Baby eastern box turtles hatch from eggs and are only about 1¼ inches long when born. When fully grown they will be about 7 inches long.

Common garter snakes are born live. They are about 8 inches long as babies and will grow to about 26 inches long as an adult.





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1. Green roog
2. Spring peeper
3. Worthern leopard frog
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5. Pickerel frog
6. Bull frog
6. Bull frog
7. Wood frog

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