



The
St. Johns River

from

A

to

Z



Alligator

- Can weigh over 1000 pounds
- Adults weigh more than pianos
- Been on earth for so long they are often called 'living fossils'
- Cold blooded
- Egg temperature effects gender



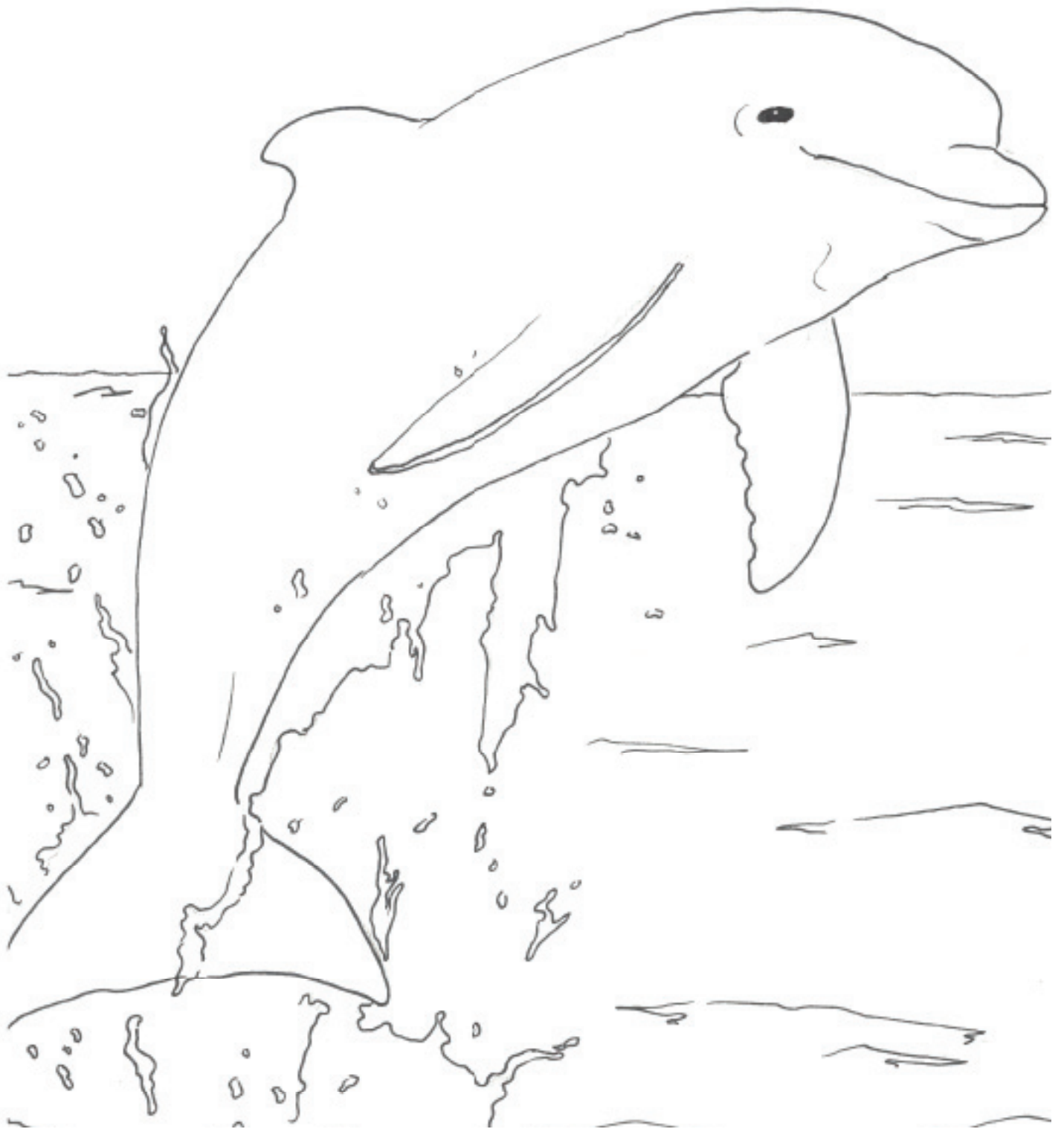
Bobcat

- Live 10-15 years in the wild
- Live almost anywhere including: forest, mountains, and deserts
- Live alone and protect their territory
- Have one main den and other smaller dens
- Only protected in US
- Sneak up on prey then pounce



Carolina Parakeet

- Extinct since 1918
- Named after the vast number of them between Carolinas and Virginia
- They showed some human traits including laziness
- Preferred to drink sea water
- Introduced to the St. John's river in an attempt of restoration of the species



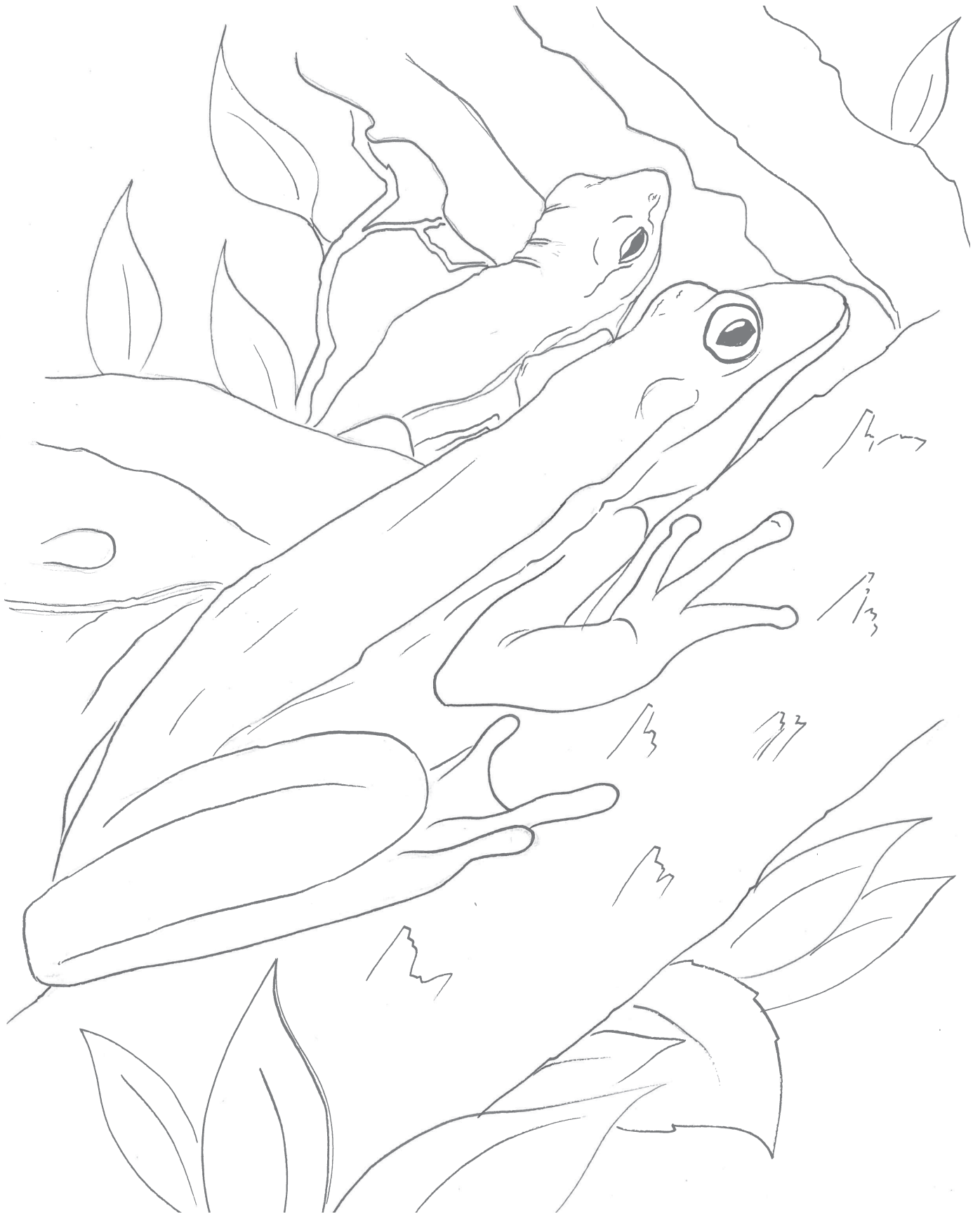
Dolphin

- Usually weigh about 1400 pound
- Use echolocation to hunt like bats
- Live in groups of 5-30
- Group of called a pod
- When they sleep only half their brain sleeps the other half stays awake to prevent drowning
- Young dolphins usually stay with their mothers for 3-8 years
- Bottle nosed dolphins live in the St. John's river



Egret

- Fly at 25 miles per hour
- Use backs of crocodiles as a 'floating device'
- Nest in colonies of up to 2000 birdsness
- Live for 15 years in the wild
- Mostly active at dusk and dawn



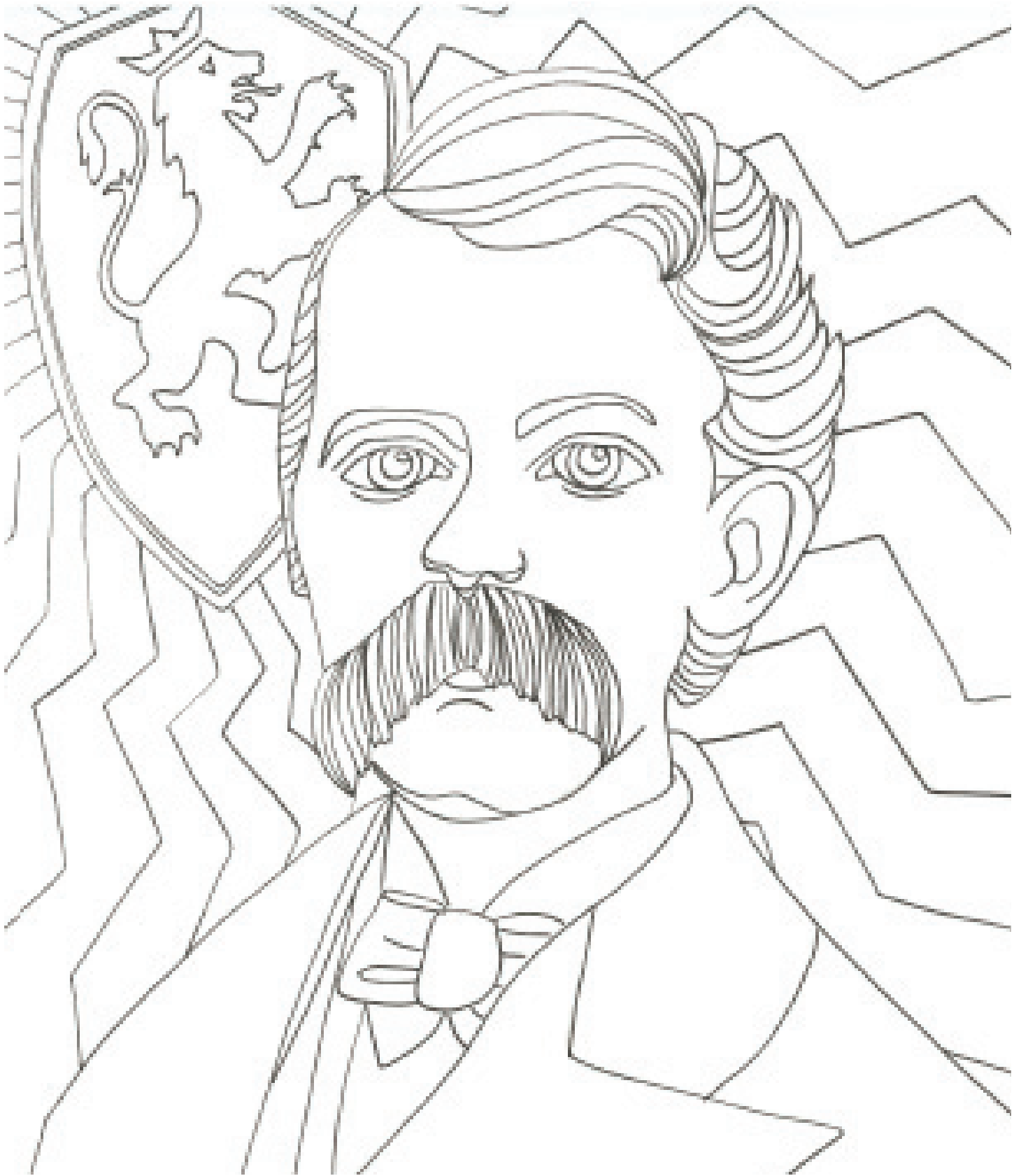
F_{rog}

- A group of frogs is an 'army'
- Frogs absorb water instead of drinking it
- Like tree rings, frog bones form a ring when they hibernate
- Some frog calls can heard from a mile away
- Tree frogs are the most abundant frogs in the St. Johns river



Great Blue Heron

- Have special feathers on their chest that they use like a washcloth
- Hunt during both the day and night
- Some herons nest on the ground and use grass to build their nests instead of the typical twigs and branches
- The ones that live near the ocean will sit atop of floating kelp or other plants while waiting for their prey



Henry Flagler

- Moved to St. Augustine in 1878 to improve the health of his wife and left almost immediately because he hated it
- Built the overseas railroad to key west
- Often called the 'Father of Modern Florida'
- Born in 1830
- Died in 1913



Invasive Plants

- There are invasive species from Asia, Australia, and Africa in the St. Johns river
- Some invasive plants in the St. John's river are the hydrilla, waterlettuce, Brazilian pepper, Carolina willow, air potato, and torpedo grass
- Invasive plants can grow on native plants or grow in their habitat, killing native plants



Jellyfish

- Jellyfish can clone themselves
- Some jellyfish are immortal
- Jellyfish don't have brains
- Jellyfish can shut down nuclear reactors
- Jellyfish eat peanut butter
- Freshwater jellyfish are an abundant invasive species in the St. Johns river



Kingfish

- Migrate north during the summer
- Migrate south in late fall
- Live up to 25 years
- Don't go in water below 68 degrees Fahrenheit
- Females grow up to 6 feet long



Lionfish

- Invasive species
- Have venomous spines
- Don't use their spines to hunt
- Usually spend their time alone
- Have nick-names including: scorpion fish, turkey fish, and dragon fish



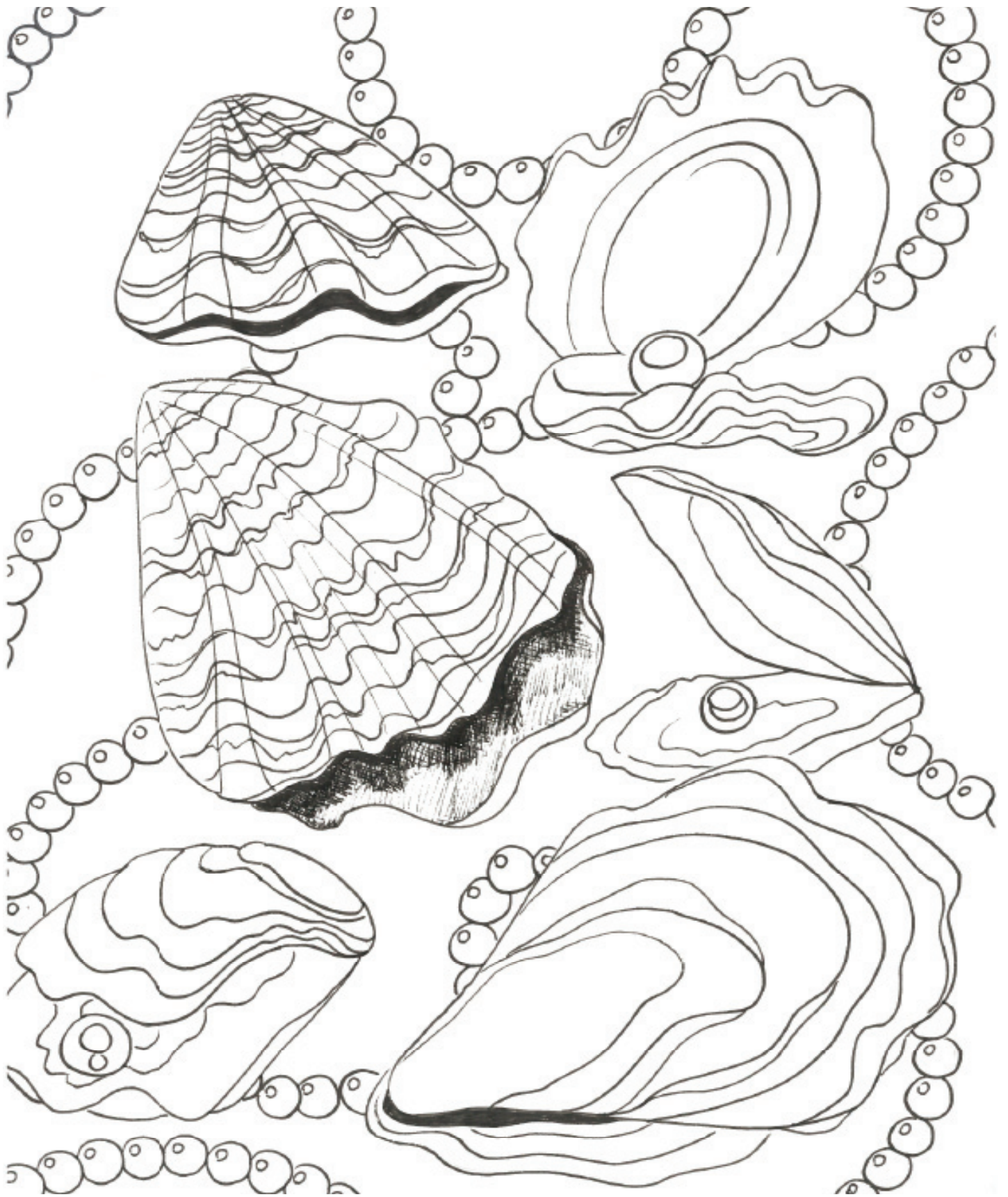
Manatee

- Only founds in warm waters
- Come to surface every 5 minutes to breathe
- Can hold breath for 20 minutes
- Continuously replace their teeth throughout their lives unlike humans who only have
- Most sailor's sightings of "mermaids" have been manatees
- Manatees have been sighted throughout the entirety of Florida, many being in the St. Johns



Nutria

- They have two types of fur on their bodies: one layer of yellow or brown fur and another of gray fur
- They are semi-aquatic creatures
- They are nocturnal
- 5 fingers on each foot
- Front feet have nails and back feet are webbed
- Eat 25% of their body weight each day



Oyster

- They filter water better water filters than any invented by humans
- Provide barriers during storms
- Some species of oysters produce pearls
- There are 5 species of oysters nationwide
- Help plants grow



Pond Lily

- Roots are in the ground at the bottom of the lake or pond even though they appear to be floating
- There are 58 species
- Provide food for fish and other wildlife
- Sometimes lead to drainage problems
- Sometimes their flowers only open in the morning or evening



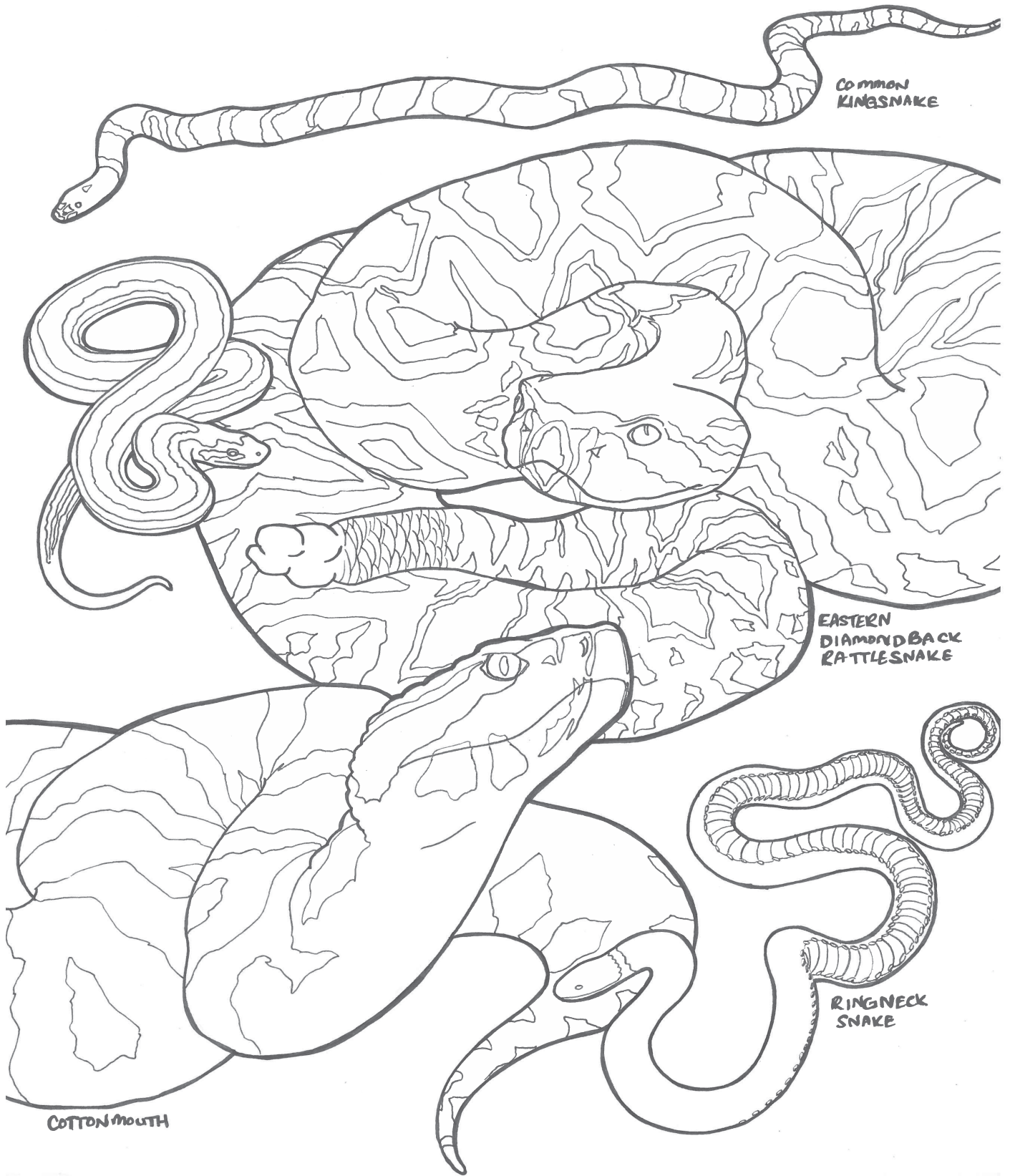
Quail

- Can fly 30-40 miles per hour
- Group is called a covey
- Coveys have 8-25 birds
- Nest in early summer
- Most quail don't survive through their first year



River Otter

- Grow to be around 4 feet
- Eat 25% of their weight every day
- Otter coats have loose skin under their arms that they use as pockets
- Live for about 8 years
- Stay underwater for 4 minutes



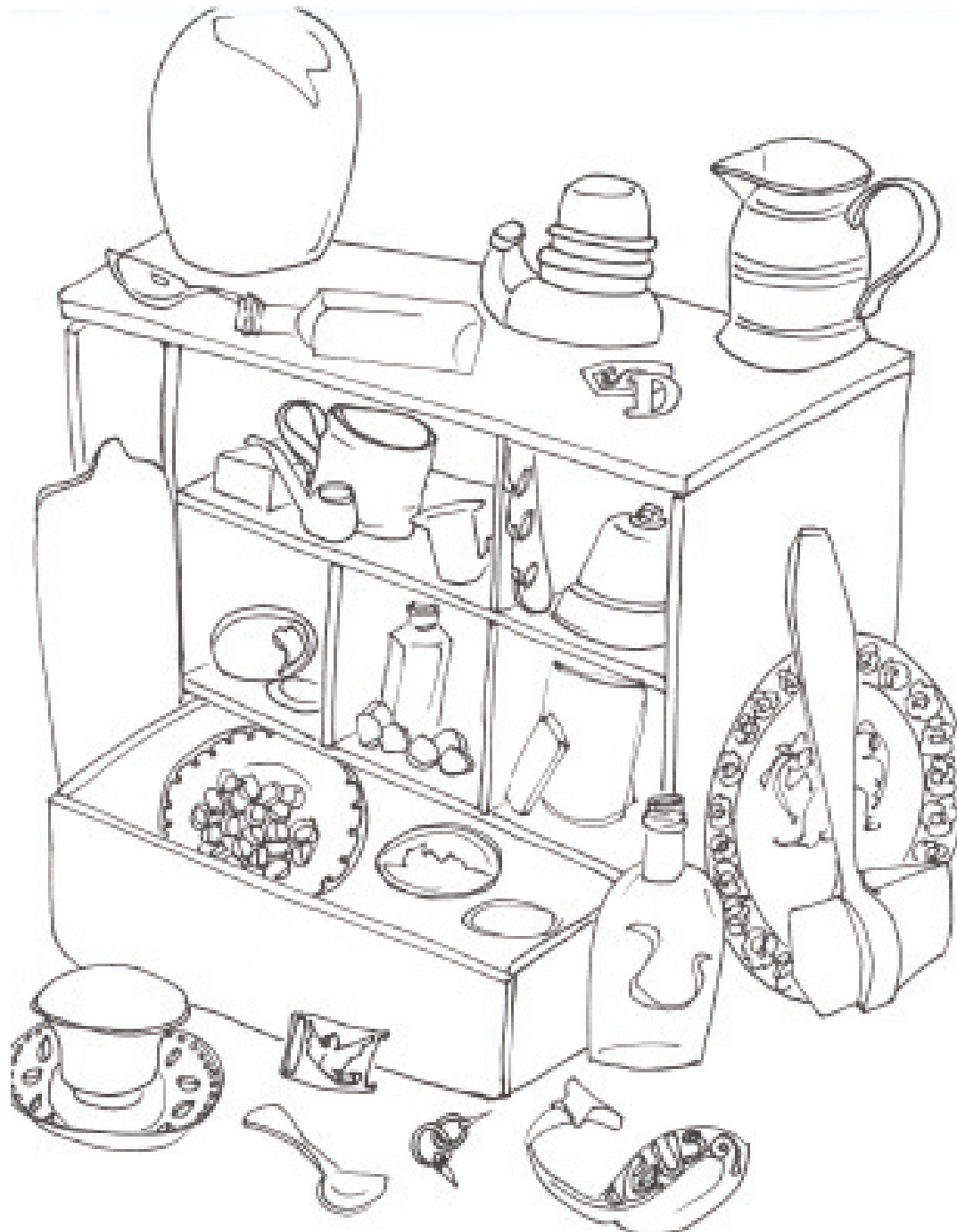
Snakes

- Snakes don't have eyelids
- Snaked only have internal ears, not external ones
- A snake's skin is smooth and dry, not slimy as most people expect
- Smell with their tongue
- Some sea snakes can somewhat breathe through their skin letting them stay longer underwater



Turtle

- existed for 215 million years
- turtles have both an upper and lower shell
- shell is made of 60 bones
- can breathe through their skin
- you can use the sounds they make to identify their gender



Underwater Treasure

- The Maple Leaf is a civil war ship that sank on the St. Johns river, upon discovery 125 years later excavations began, revealing the treasures that the ship held
- Some of the artifacts found on the ship include swords, instruments including drumsticks and wooden flutes, shells picked up by soldiers on beaches to decorate their mantels when they went home, household items like plates and teacups, and trunks with personal items of soldiers



V olunteers

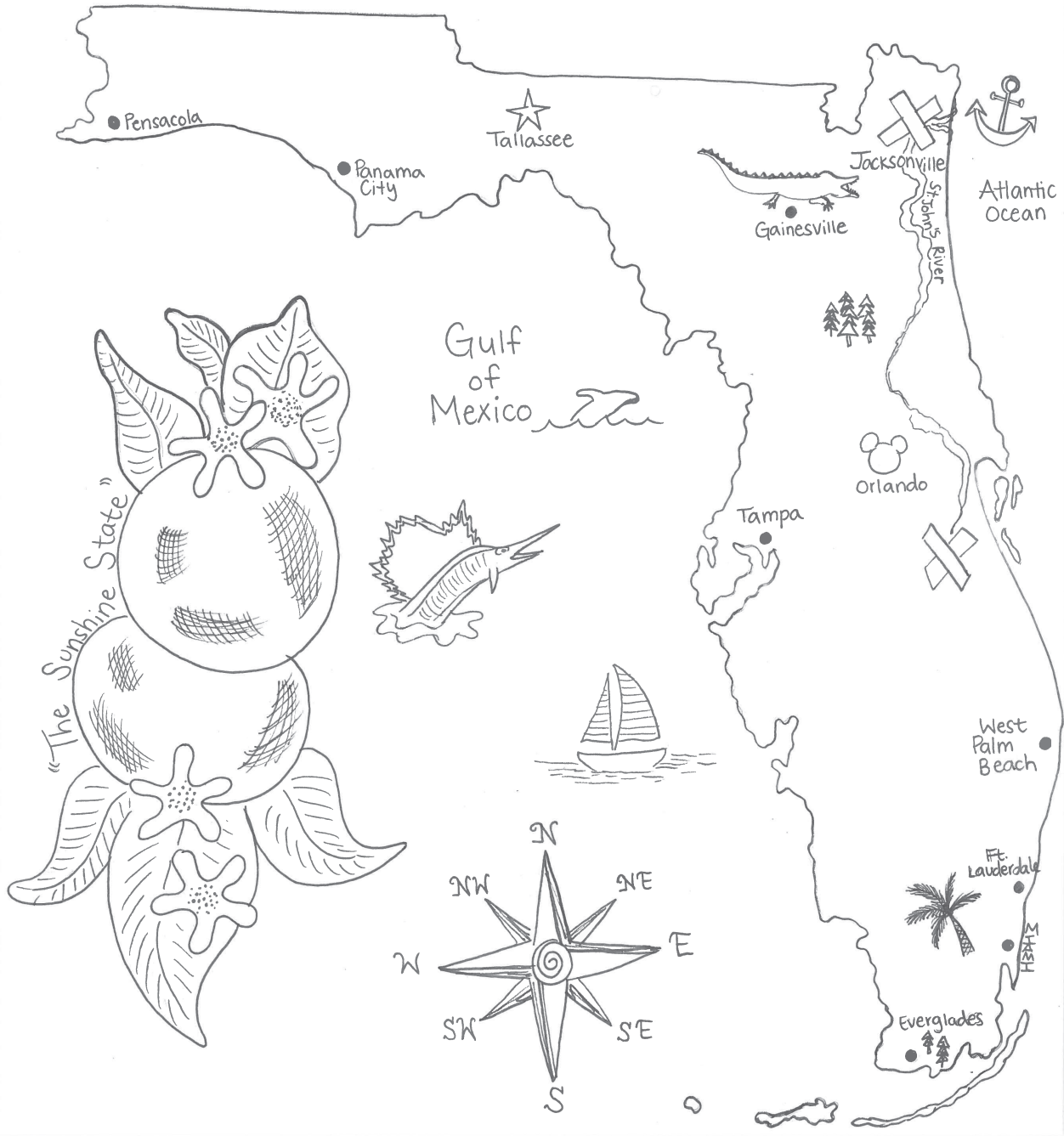
- There are a multitude of volunteer opportunities involving the St. Johns river including river patrol, cleanups, and fundraising



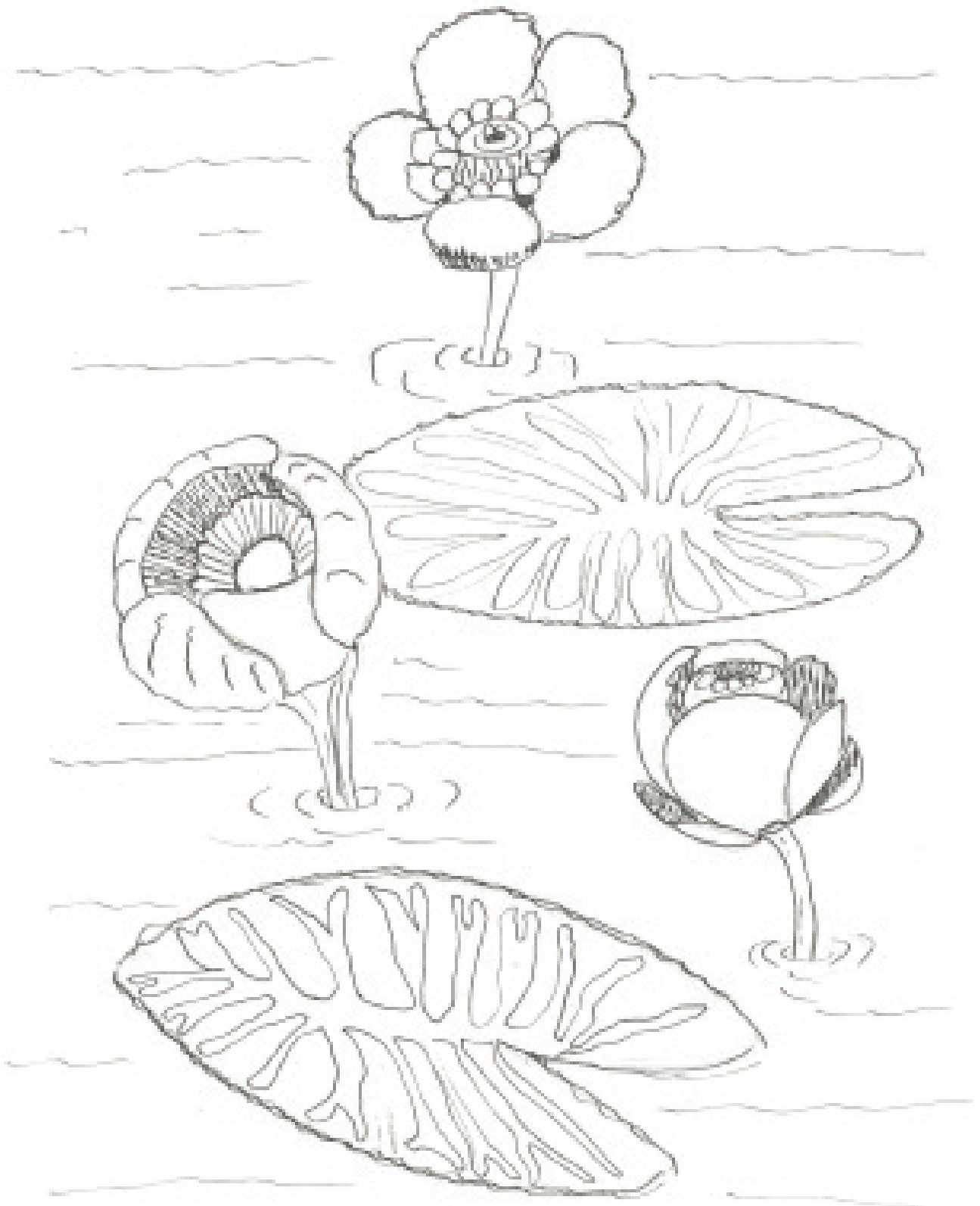
Whitetail Deer

- male deer shed their antlers every year
- are good swimmer and will use waterways to escape predators
- deer have 32 teeth like humans
- deer use the whiskers on their chins to tell how far their lips are from the ground
- deer spar with each other for dominance and to build muscle for fights on mating season

FLORIDA

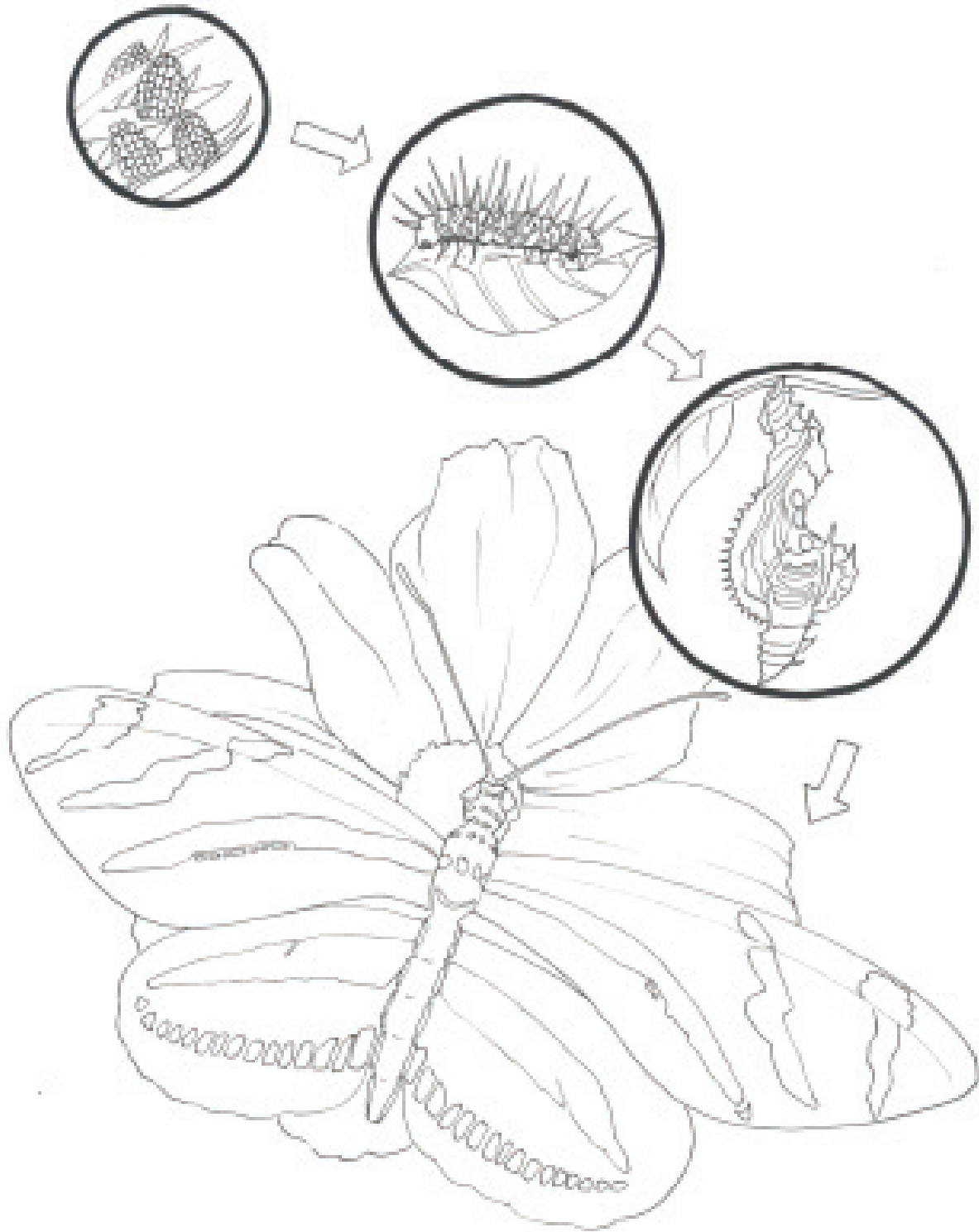


*X marks the spot.



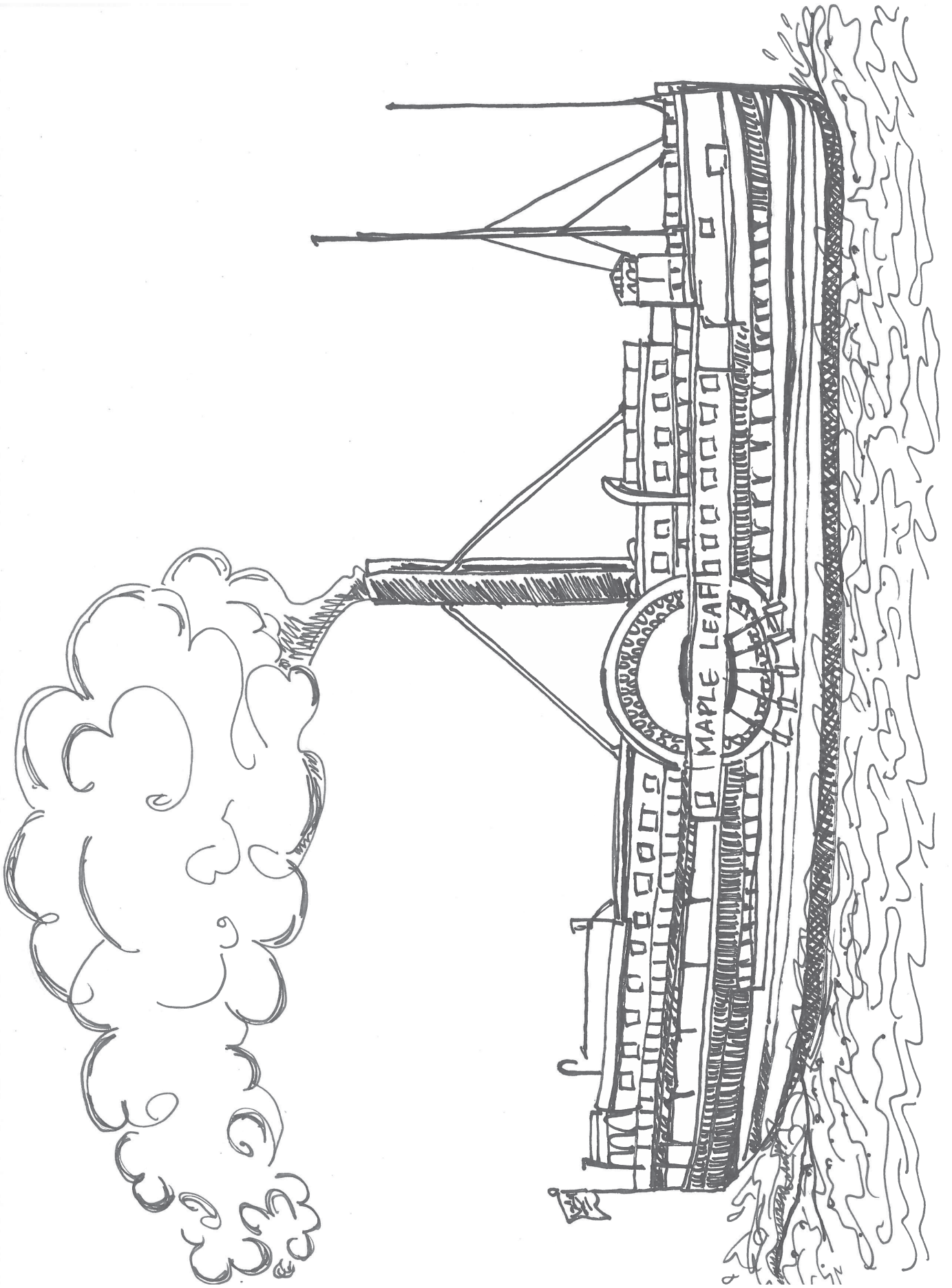
Yellow
Water
Lily

- can be found throughout the country
- mostly bloom flower from June to September
- used by many species of fish for shelter
- lily pads used for a resting place by insects
- eaten by beavers and muskrats

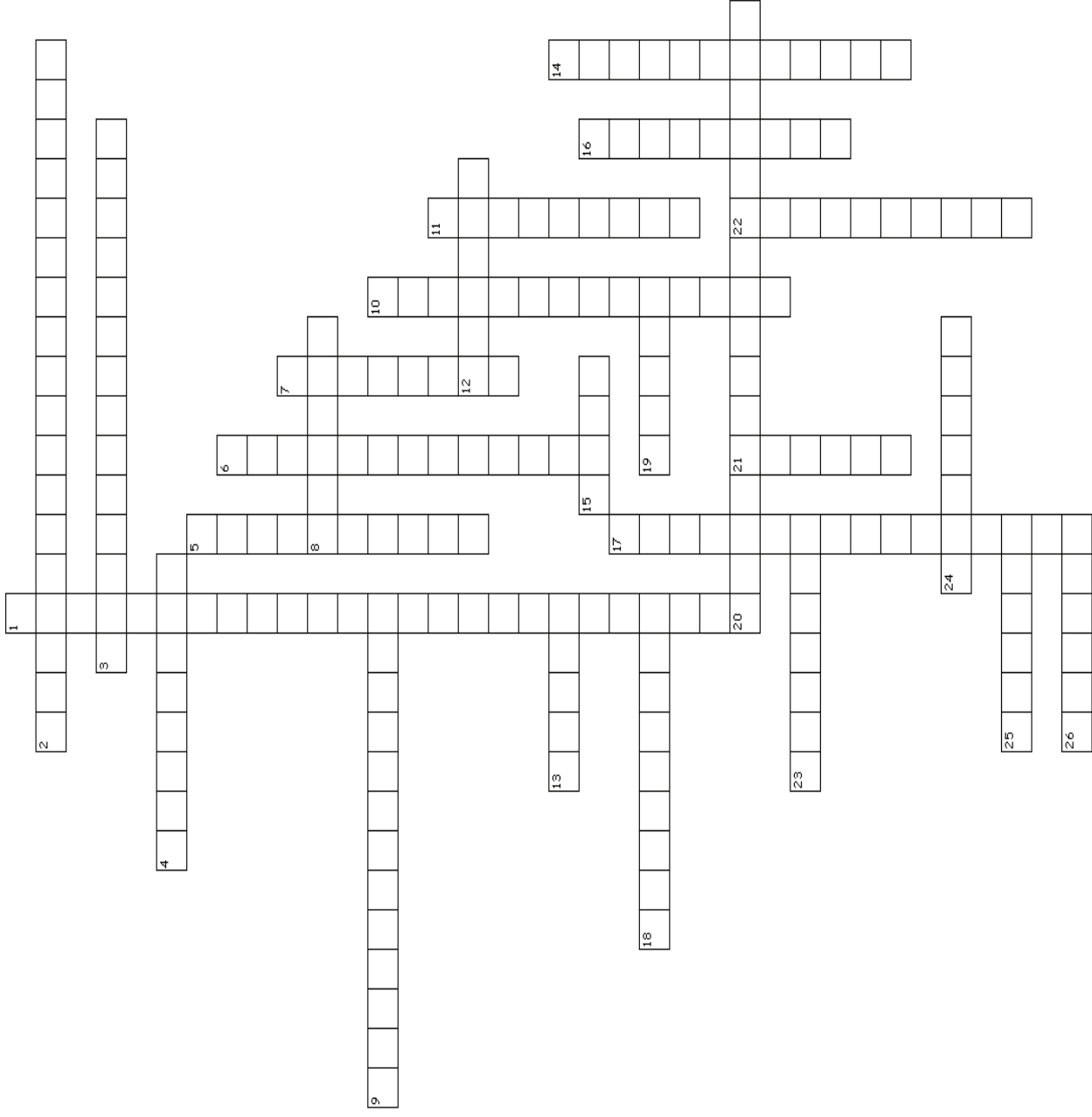


Zebra Swallowtail Butterfly

- adults live for about 6 months
- live around Alpine Groves
- caterpillars release a bad smell to drive away predators
- adults have short noses to feed on short and flat flowers
- can be found near pawpaw trees in swamps and fields



- Alligator
- Bobcat
- Carolina Parakeet
- Dolphin
- Egret
- Frog
- Great Blue Heron
- Henry Flagler
- Invasive Plants
- Jellyfish
- Kingfish
- Lionfish
- Manatee
- Nutria
- Oyster
- Pond Lilly
- Quail
- River Otter
- Snakes
- Turtle
- Underwater Treasure
- Volunteers
- White Tail Deer
- X Marks the Spot
- Yellow Water Lilly
- Zebra Swallowtail Butterfly



1. **Your Name**
2. **What do you love about the St. John's River?**
3. **What do you love most about AWAH?**
4. **Your favourite medium**



1. **Laura Meier**

2. The St. Johns River is an amazing place for people and nature to interact in lots of ways, like kayaking and spotting wildlife, like birds and alligators.
3. Art With A Heart reminds me every day that art is for everyone, no matter how old you are! All of our artists and volunteers are so talented and fun, and every patient we work with is special and important.



1. **Korey Cunningham**

2. I love that the river is home to many types of animals.
3. I love working at AWAH because between the kids and the artists I have learned so much, and continue to learn everyday.
4. Pen is my favorite medium



1. **Madeline Firestone**

2. I love that the St. John's river is one of the few rivers that flows north!
3. One thing I love most about Art with a Heart is seeing the playfulness in art! Remembering that art should be lots of fun! Oh and having fun with all of my friends I meet at the hospital!



1. **Samantha Solley**

2. I love boating on the St Johns River and seeing the manatees and dolphins. Also dropping anchor during a Jaguars Home game and visiting the Jacksonville Landing.
3. I love making connections with the patient artists, seeing them transport



1. **Brooke McKinney**

2. I love seeing all my dolph-riends in the St. Johns River when they come up to the surface!
3. At AWAH I love drawing animals, and helping people smile.
4. My favorite mediums are acrylic paint, and also pen & ink.



1. Jillian Olmo

2. I love that t'he St. Johns River is the #1 area for bull shark breeding.
3. I love being able to improve a patient's hospital stay through the arts.
4. My favorite medium is painting.



1. Mateo Richards

2. My favorite thing about the St. Johns River is that it flows north.
3. My favorite thing about AWAH is making art and friends.
4. My favorite medium is painting.



1. Anne Roberts

2. The St. Johns River is home to many hundreds of species of birds, mammals, reptiles, amphibians, fish, mollusks, and more. It plays a vital role for Florida wildlife.
3. My coworkers are what I love most about AWAH!



1. Lori Presto

2. I love that I can go outside my working area take a walk along the river and see dolphins, manatees and watercraft. It is beautiful!
3. What do you love most about AWAH? I love the connections we make with the patients and their families through using art in the healthcare setting.



1. Bob Drost (Mr. D)

2. I love spotting dolphins in the river.
3. Working with talented artists who are sharing their time and talents with the children and their families in the healthcare setting.
4. Copic permanent brush marker, a 2B graphite pencil, and coffee: two creams no sugar!



1. Philippa Kosowski

2. The river is the heart of the city and you can see that so easily with the skyscrapers built all around the waterfront.
3. How the programme reaches so many children who would otherwise not be able to create art or have such a wonderful enriching experience, making their stay at Wolfson's a better one.