

NAME: _____



ADVENTURE ^{IS} OUT THERE

Outdoor Classroom - Tulsa

CURIOSITY • HANDS-ON • LIFE SKILLS

4-DAY OUTDOOR ADVENTURE JOURNAL

EARN YOUR CERTIFICATES IN



SURVIVAL SENSE

- Water • Safety •
- Hiking • Shelter Craft •



ECO QUEST

- Habitats • Food Chains •
- Animal Signs • Nature Clues •



JR. ENGINEERS

- Design • Build • Test •
- Improve •



GEO EXPLORERS

- Maps • Weather • Soil •
- Earth Clues •

Outdoor Classroom Explorer Camp Summer 2026

WEEK SCHEDULE



Survival Sense Certificate

Activities: The Long Haul & Nature Hike
Craft: Mini Shelter Craft



Eco Quest Certificate

Activities: Skulls & Pelts, The Food Web, Nature Hike
Craft: Paper Food Chain



Jr. Engineers Certificate

Activities: Design Thinking & Aquaponics, Survival Engineering
Craft: Design Your Team Flag



Geo Explorers Certificate

Activities: Terraforming, Weather Patterns, Incredible Journey
Craft: Terrarium & Hydrosphere Bracelet

DAILY SCHEDULE



9:30 – 9:50 Arrival & Introduction



9:50 – 10:45 Activity 1



10:45 – 11:00 Snack & Bathroom Break



11:00 – 11:55 Activity 2



11:55 – 12:25 Lunch



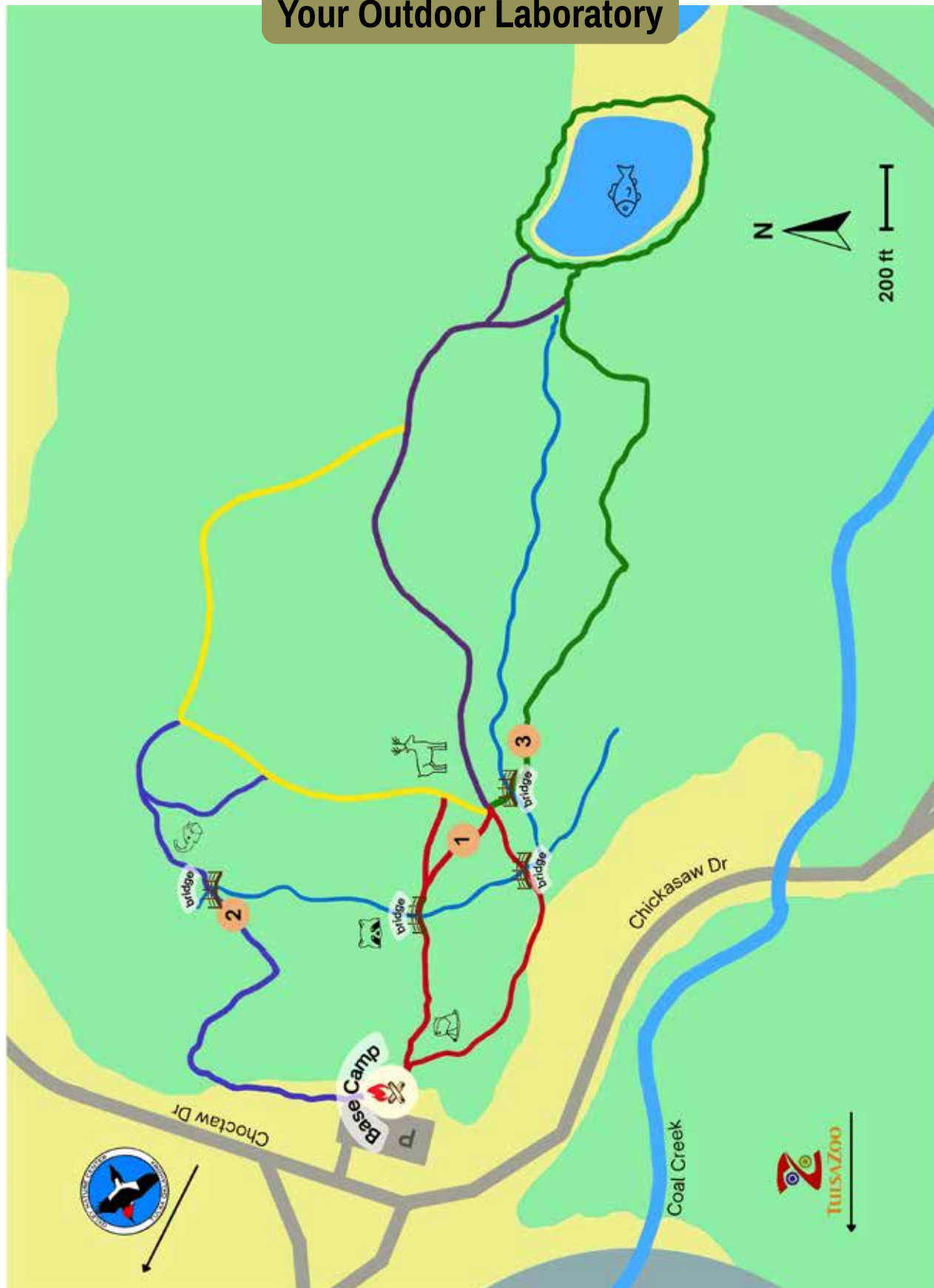
12:25 – 1:20 Activity 3



1:20 – 1:30 Wrap-up & Pack up

OUR MAP

Your Outdoor Laboratory



LEAVE NO TRACE

SEVEN PRINCIPLES

The 7 Principles of Leave No Trace teach us how to take care of nature so plants, animals, and the environment stay safe and beautiful for everyone to enjoy now and in the future!

PLAN AHEAD AND PREPARE

Have a plan and pack the 10 essentials

TRAVEL AND CAMP ON DURABLE SURFACES

Stick to trails and camp at established sites

DISPOSE OF WASTE PROPERLY

Take your trash and bury your poop

RESPECT WILDLIFE

Don't feed wild animals and observe at a distance

LEAVE WHAT YOU FIND

Take only pictures and leave only footprints

BE CONSIDERATE OF OTHER VISITORS

Yield to other hikers and avoid loud noises

MINIMIZE CAMPFIRE IMPACTS

Only where permitted and destroy any trace

Which of the 7 "Leave-No-Trace" principles did you use today, and how did you follow it?



SURVIVAL SENSE



Today's Mission:

Learn how people use water, practice safe hiking, and notice what nature provides.

Circle what helps people survive outdoors:

Water	Shelter	Food	Teamwork	Trash
Safe Choices	Staying with the Group	Sun Protection	Loud Noises	Listening

One thing I need outside is: _____

I can stay safe by: _____

A shelter protects people or animals from sun, wind, rain, and cold.

Mini Survival Shelter

Circle what your mini shelter protects from:



Draw your mini shelter

Materials I used:

- ☐ Craft sticks
- ☐ Paper
- ☐ Leaves
- ☐ Tape
- ☐ Yarn
- ☐ Cardboard
- ☐ Natural materials

My shelter works because: _____



SURVIVAL SENSE



The Long Haul

March 19, 1778

Early in the morning, Mother wakes us up for chores. Today, Sarah and I have the hardest job. We have to carry water.

We walk to the creek with our buckets. We go far enough to find clean water. Then we carry the heavy buckets all the way back home.

We do this four times. Our family needs water for drinking, cooking, cleaning, washing clothes, taking baths, and giving water to the animals.

At bath time, we heat the water. Everyone takes a turn using the same bath water because water is hard to get. We do not waste it.

At the end of the day, we are tired. Tomorrow, we will carry water again.



Draw one way you use water everyday

Cross out what water is NOT used for





SURVIVAL SENSE



Water Carry Challenge

Circle how it felt:

Very Easy

Easy

Okay

Heavy

Very
Heavy

What helped your team?

- ☐ Taking turns
- ☐ Walking carefully
- ☐ Encouraging each other
- ☐ Spilling it everywhere
- ☐ Giving up

Water is important because:

- ☐ People need it
- ☐ Animals need it
- ☐ Plants need it
- ☐ It keeps us alive

Explorer Challenge

If one gallon of water weighs about 8 pounds, how heavy are 2 gallons of water?

_____ pounds



=





SURVIVAL SENSE

My Survival Sense Hike OUR MAP



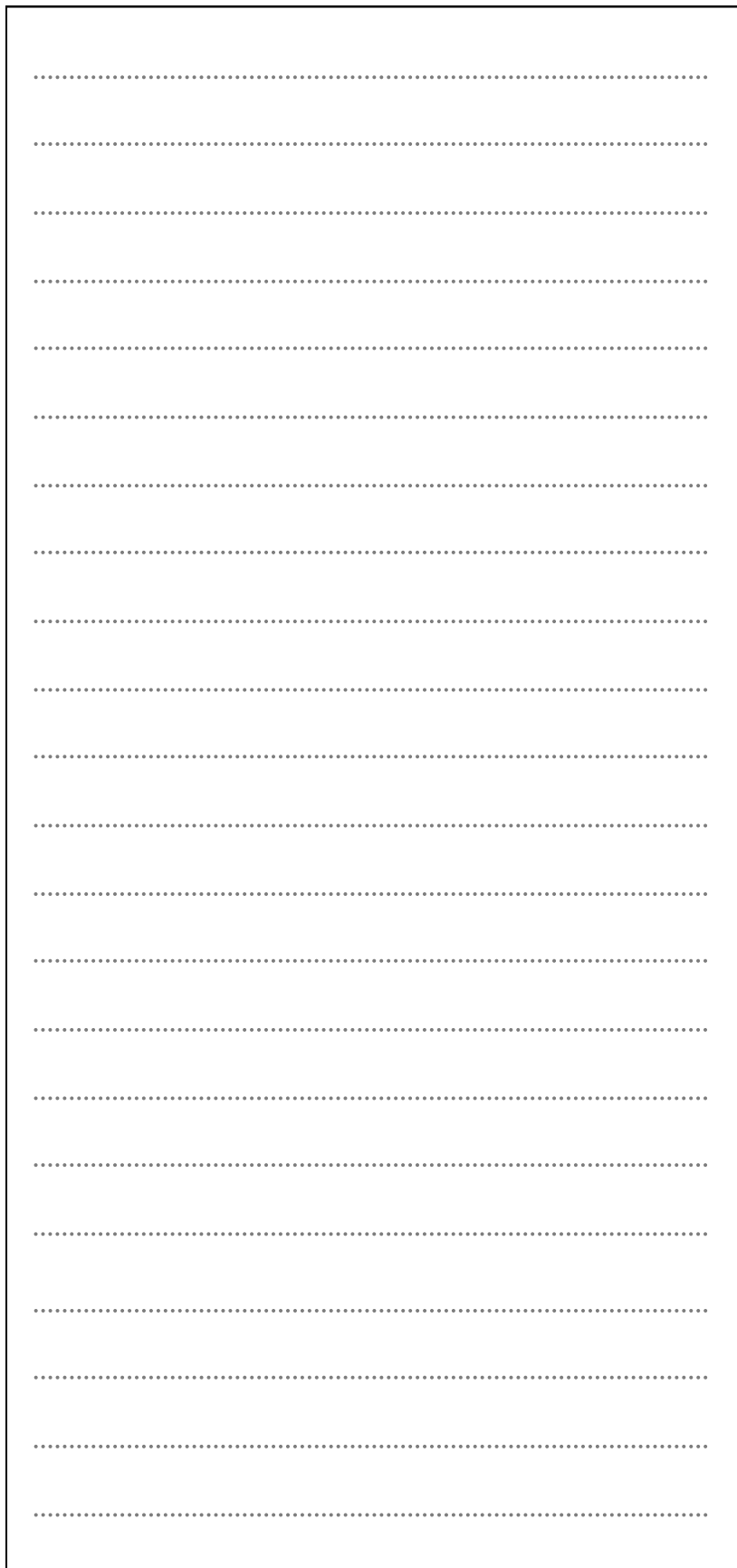
My favorite stop was: _____

I noticed:

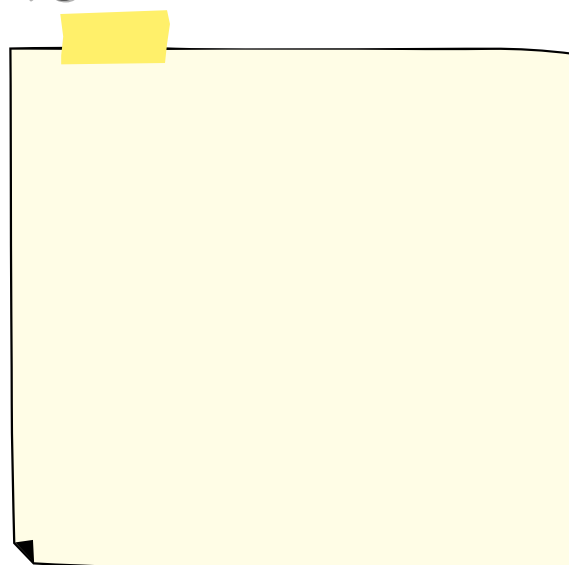
- | | |
|---------------------------------|--------------------------------------|
| ☐ Water | ☐ Rocks |
| ☐ Trees | ☐ Mud |
| ☐ Bridge | ☐ Animal sign |
| ☐ Trail | ☐ Shade |

Draw something you saw on the hike.

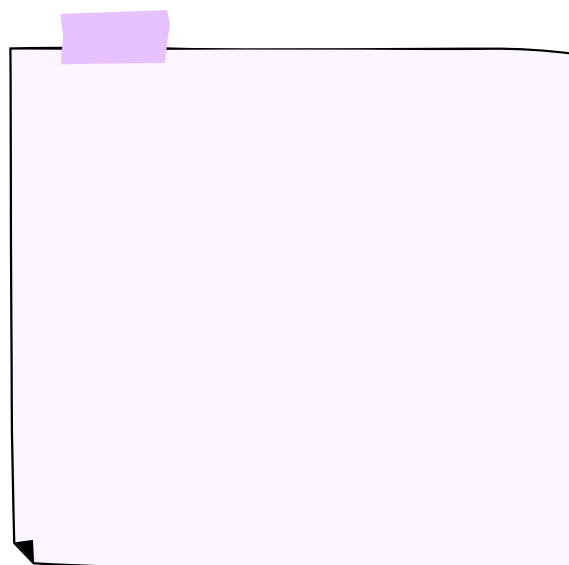
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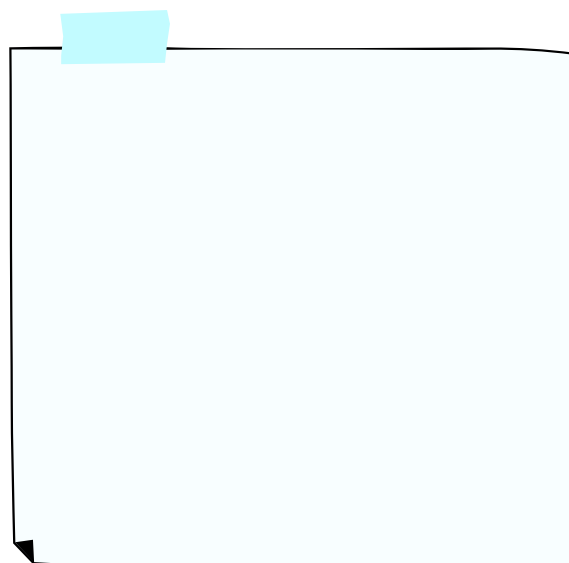
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Today's Mission:

Explore habitats, look for nature clues, and discover how plants and animals are connected.

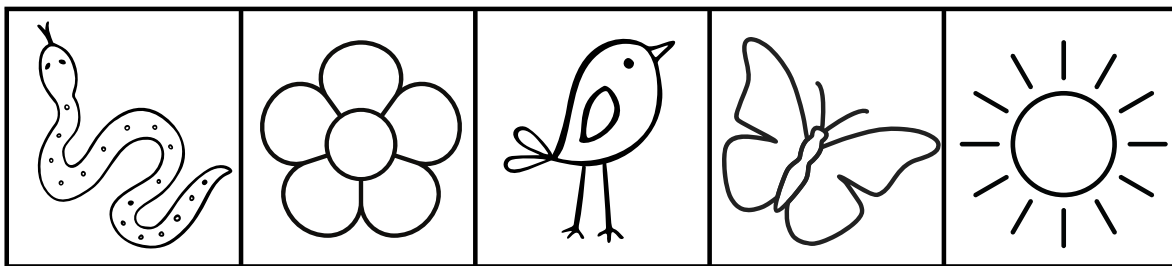
Definitions

- Energy: causes organisms to move and grow
- Predator: an animal that hunts or consumes other animals
- Prey: an animal that is hunted or consumed

The Food Chain

Create a food chain using the pictures below

--	--	--	--	--



Snake

Flower

Bird

Butterfly

Sun

Draw your own food chain with different animals:



ECO QUEST

Paper Plate Food Chain



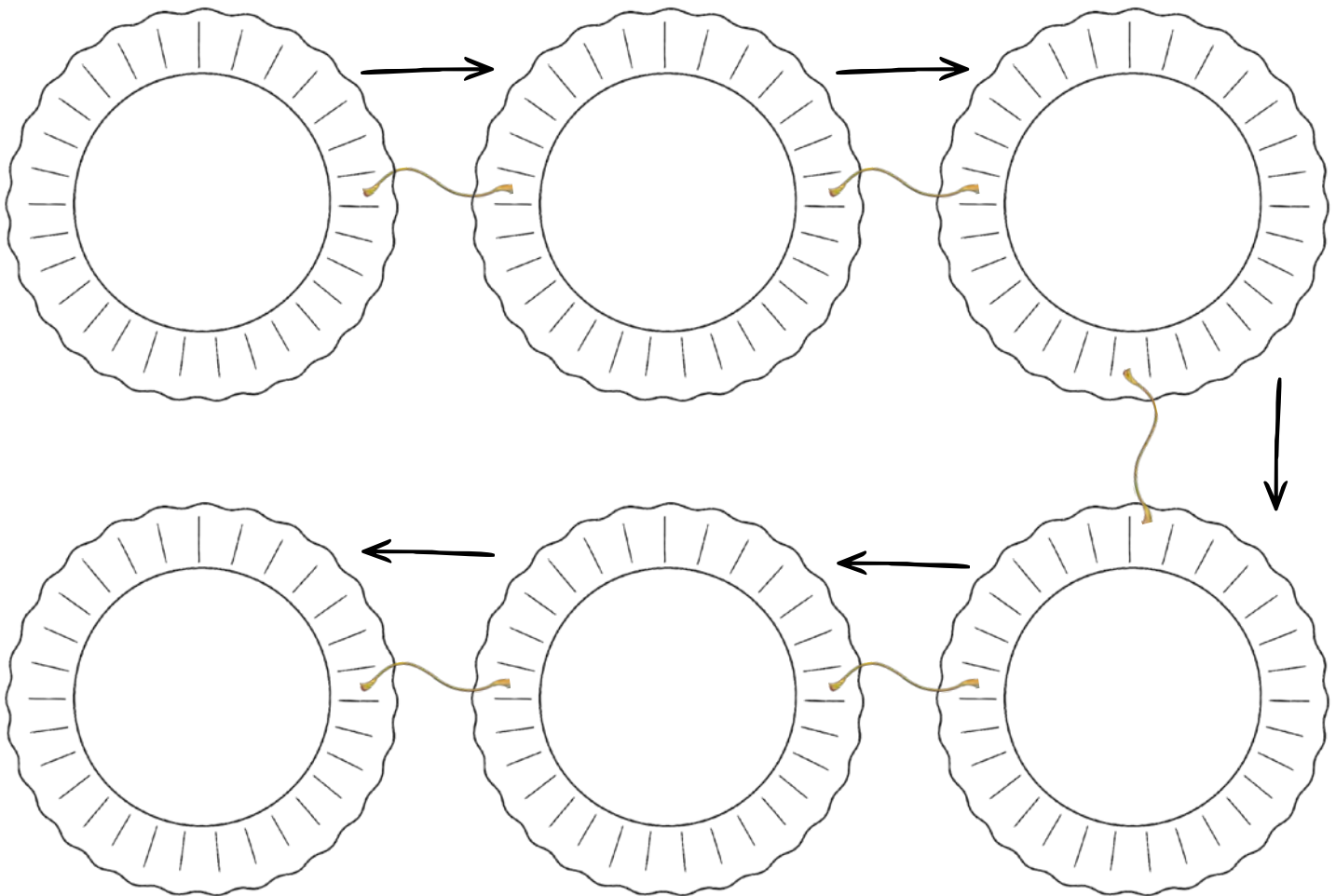
My food chain has:

- ☐ Sun
- ☐ Animals
- ☐ Plants
- ☐ Scavenger
- ☐ Insects
- ☐ Decomposer

The yarn shows:

- Living things are connected
- Energy moves through the food chain

Draw your paper plate food chain here:





ECO QUEST

My EcoQuest Hike



Today's weather is:



Sunny



Cloudy



Windy



Rainy



Hot



Cool

Circle what you noticed on the hike:

Water

Shade

**Animal
Signs**

**Shelter
Spots**

**Food for
animals**

Mud

Rocks

Insects

Birds

Plants

Sentence frame:

I noticed _____

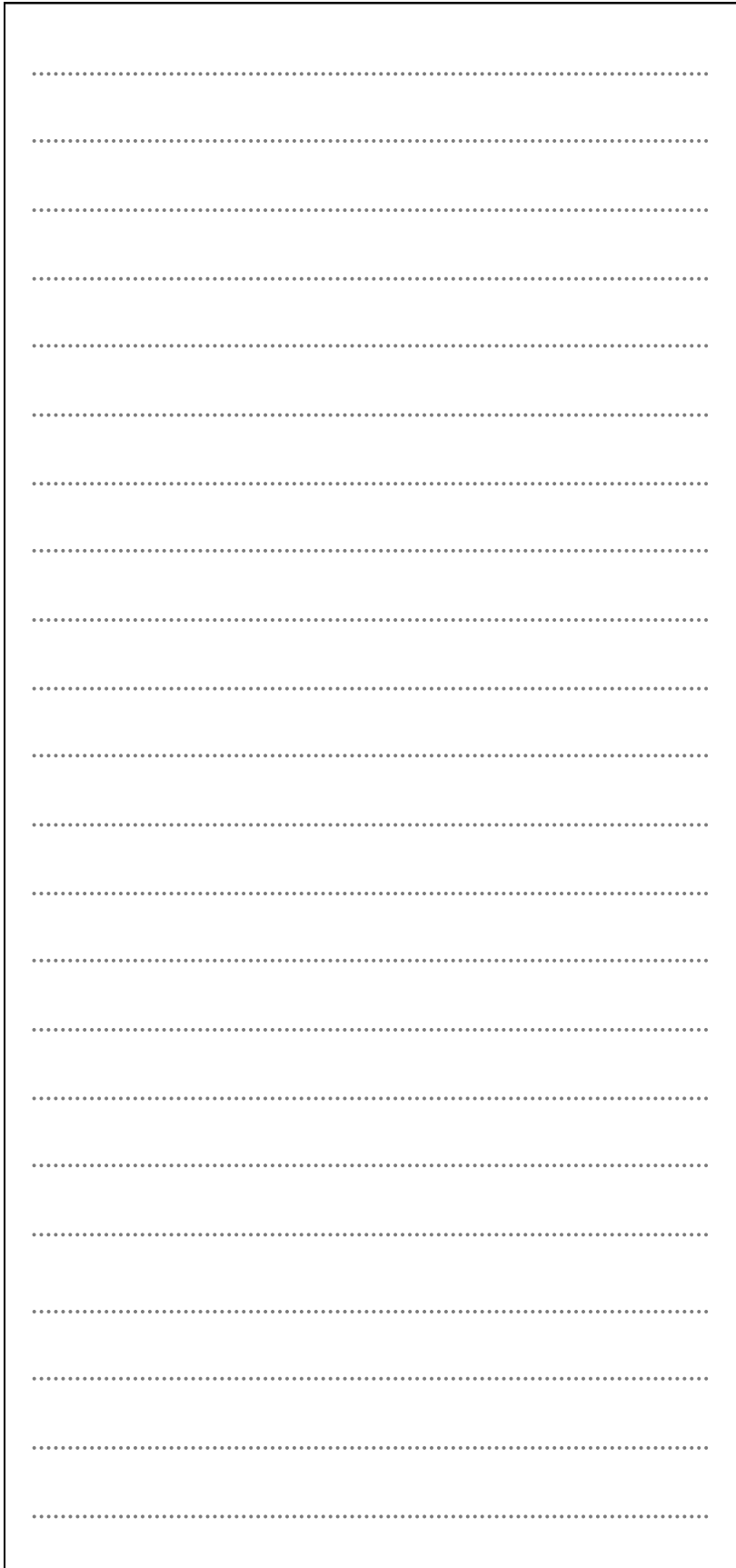
_____.

It could help an animal by

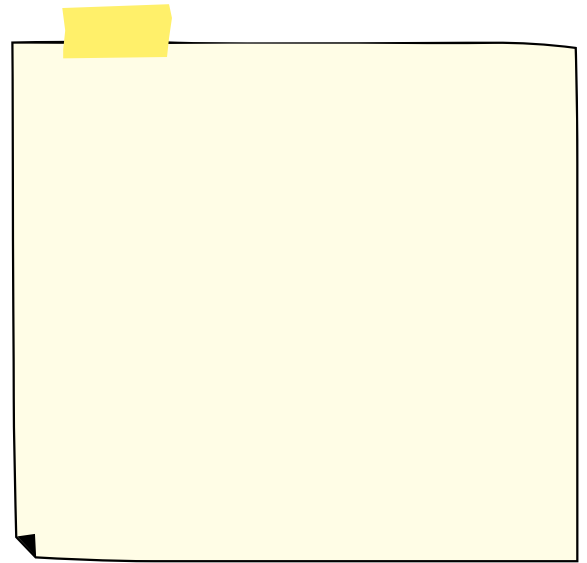
_____.

Draw something you saw on the hike.

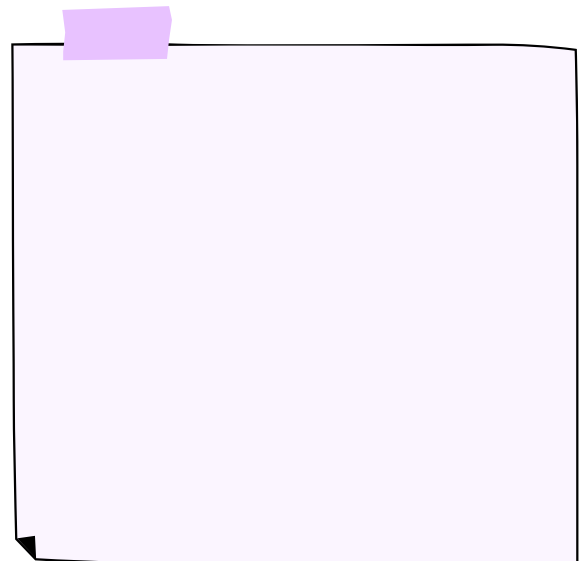
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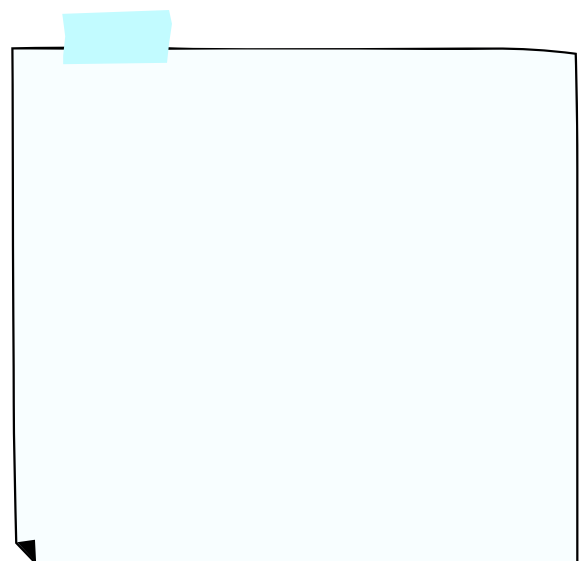
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JR. ENGINEERS

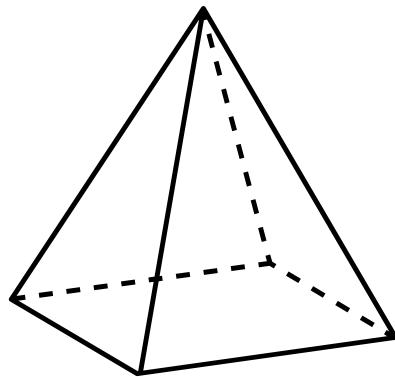
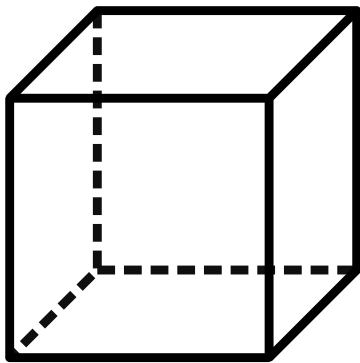


Today's Mission:

Use teamwork, creativity, and design thinking to build, test, and improve solutions.

Engineering a Shelter

Work as a team to design your fort before building



Fort Blueprint

My fort should:

- ☐ Stand up
- ☐ Fit part of my team
- ☐ Use safe materials
- ☐ Protect from sun/wind
- ☐ Leave nature unharmed

Build, Test, Improve

Did it stand? Yes / Almost / Not yet

What worked? _____

What would you change? _____



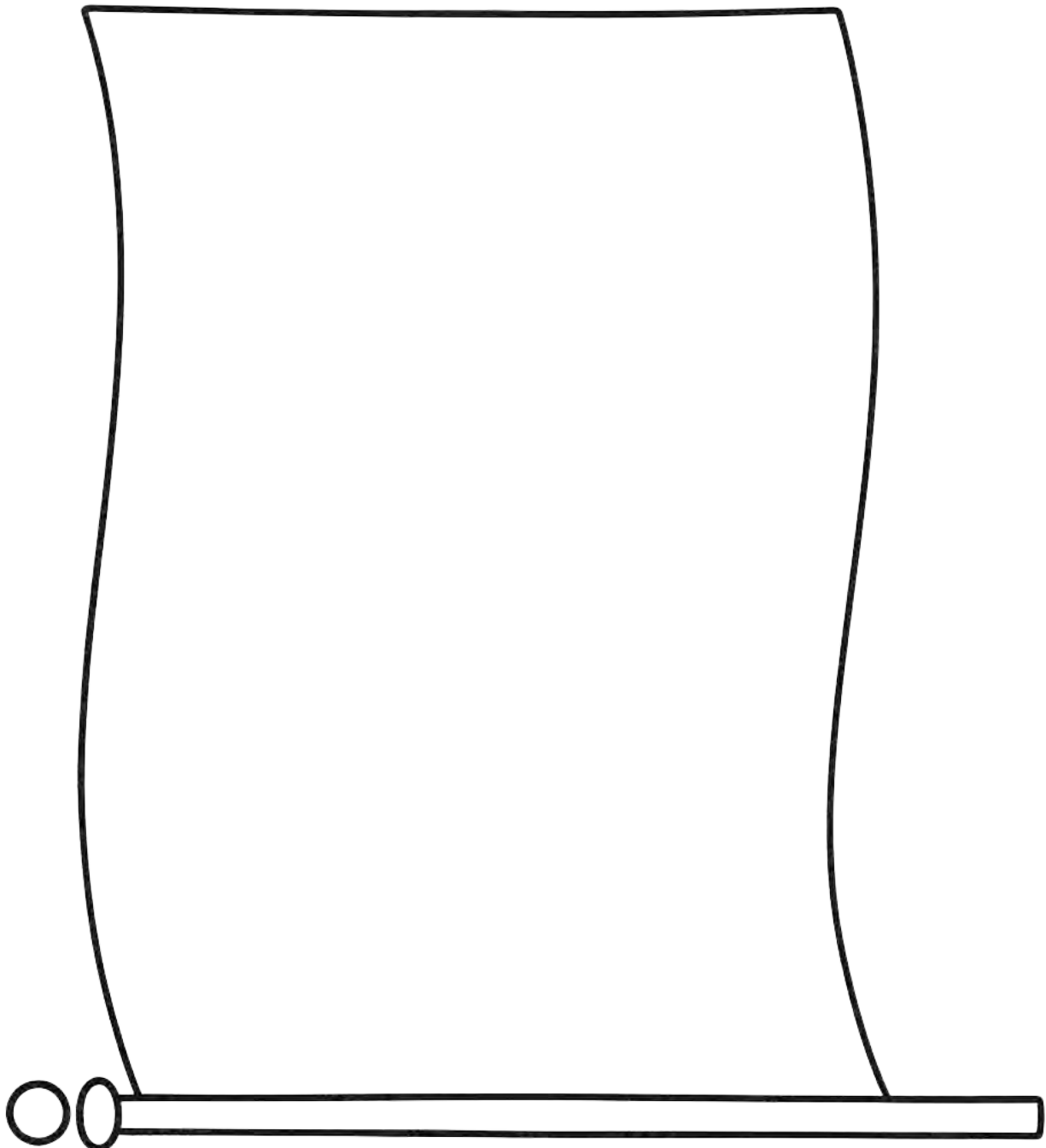
JR. ENGINEERS

Design Your Team Flag



Our team name: _____

Our fort rule: _____





JR. ENGINEERS

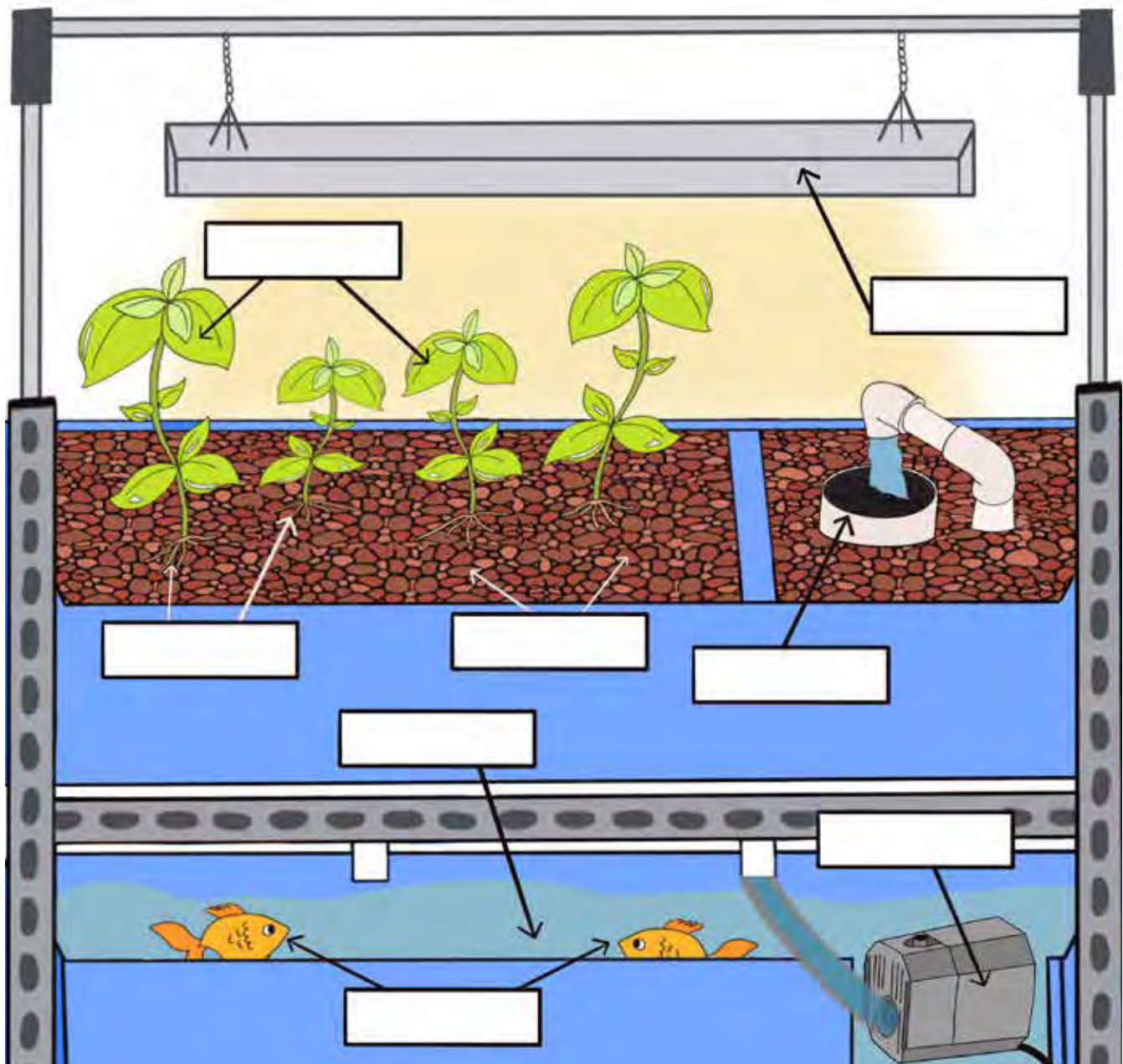
Aquaponics



Label the Aquaponic System

WORD BANK

Pump Leaf Filter Water Fish
Roots Rocks (Structure) Light





JR. ENGINEERS

Design Thinking



Need/Problem:

Explain:

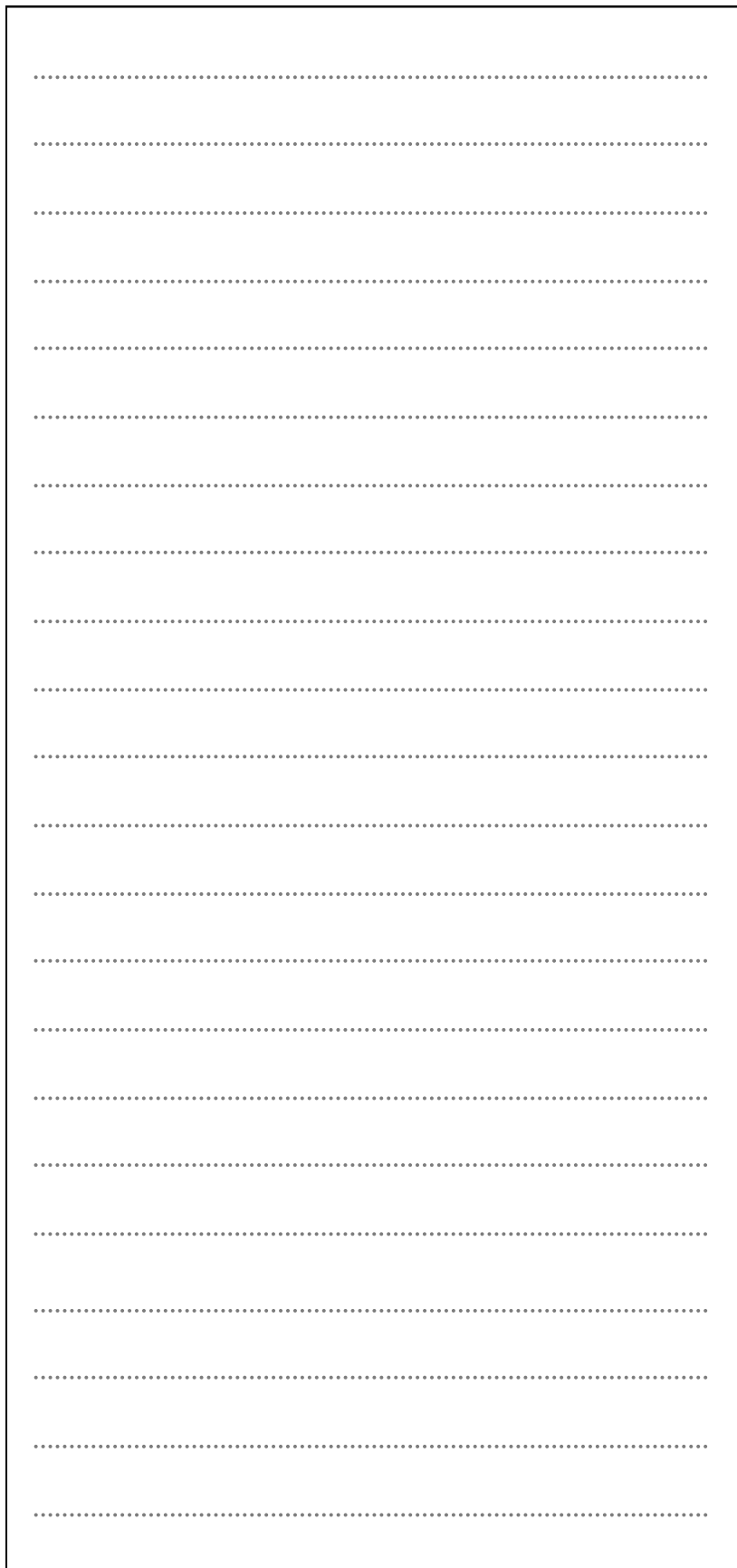
Define:

Create: Draw a Prototype/Model

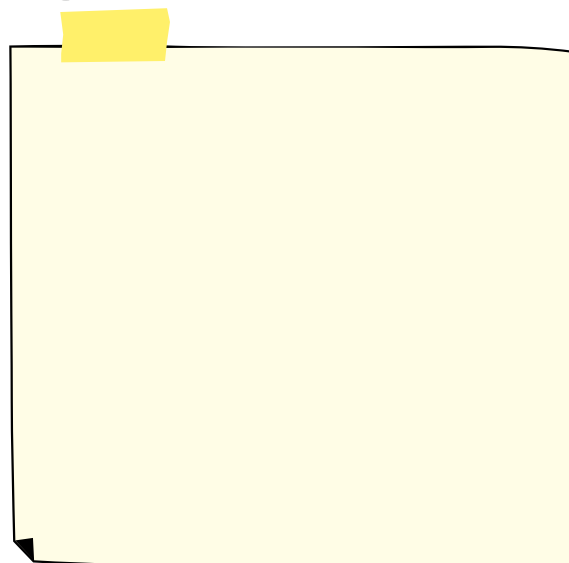
Imagine: Brainstorm

PLAN: Materials Needed

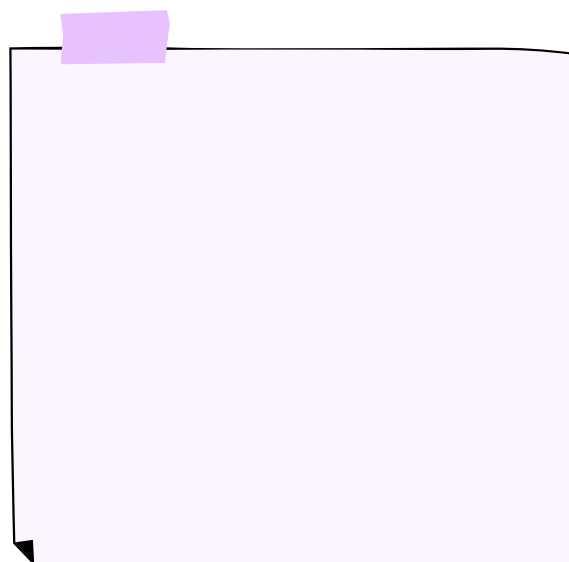
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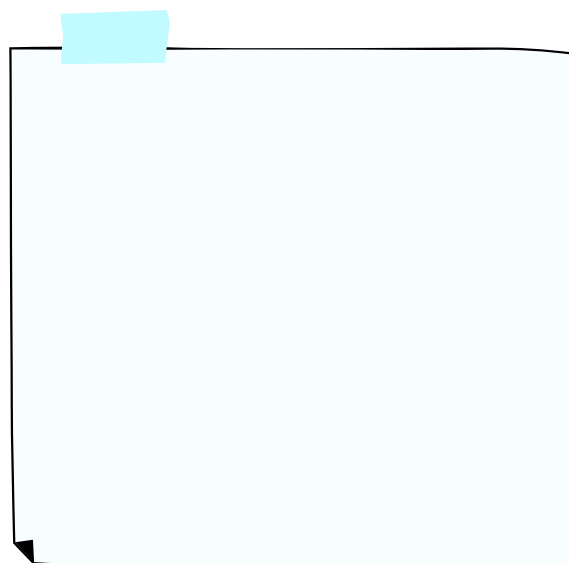
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GEO EXPLORERS



Today's Mission:

Explore water, weather, sunlight, and the ground to discover how Earth's systems work together.

Terraforming



Sunny



Cloudy



Windy



Rainy



Hot



Cool

Temperature: _____ Wind Speed: _____

Touch the ground. Circle the words that describe how it feels.

Hot

Hard

Cool

Bumpy

Wet

Dry

Soft

Smooth

OBJECT	PREDICTION	ACTUAL	OBJECT	PREDICTION	ACTUAL
			GREEN GRASS 		
CONCRETE PICNIC TABLE 			FLAG/LIGHT POLE 		
VEHICLE 			DEAD/BROWN GRASS 		



GEO EXPLORERS

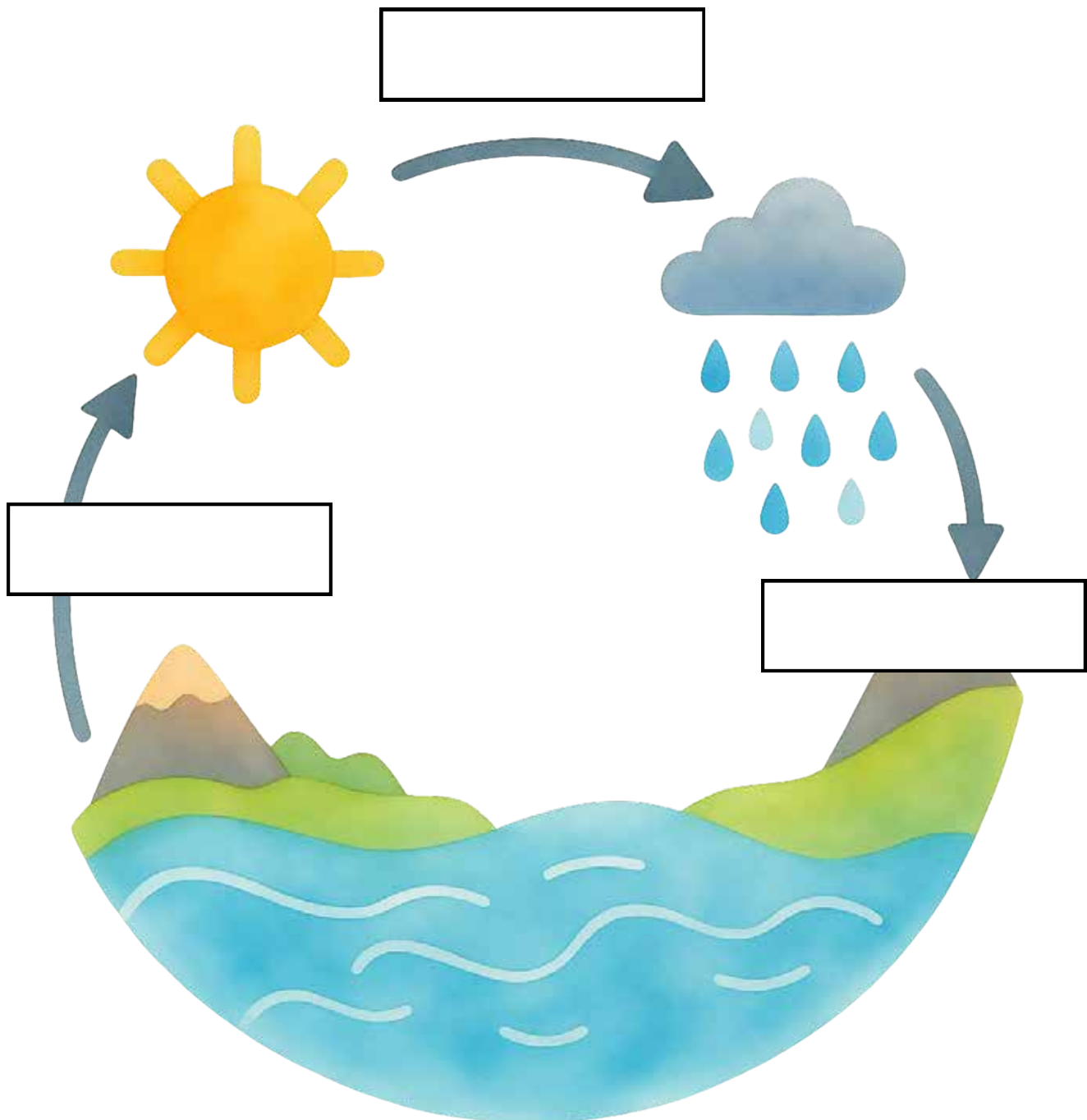
The Water Cycle



Label the processes of the water cycle

WORD BANK

Condensation Precipitation Evaporation





GEO EXPLORERS

My Mini Earth Model



Draw your mini Earth model.

My model has:

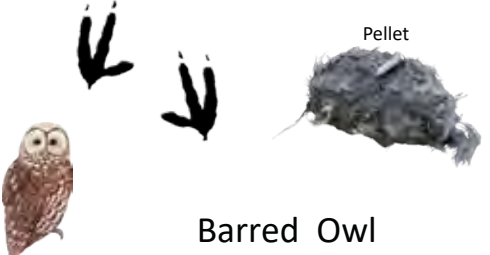
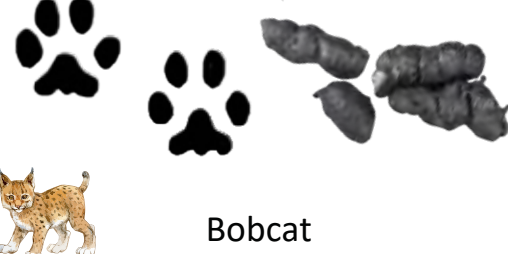
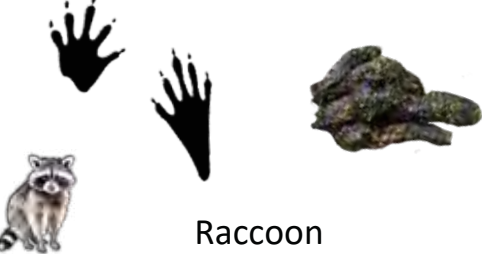
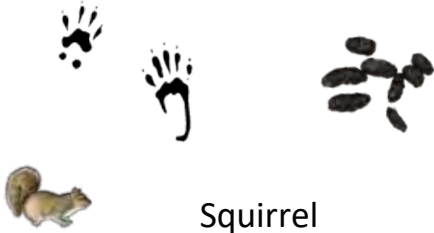
- ☐ Rocks
- ☐ Soil
- ☐ Water
- ☐ Air
- ☐ Plant/Life
- ☐ Sunlight

Draw a line from each item in the left column to what it represents in the right column.

Rocks/Soil	H ₂ O
Water	Life
Plant	Land
Empty Space	Air

SCAT & TRACKS

Animal signs are everywhere in nature!

 Armadillo	 Barred Owl
 Bobcat	 Coyote
 Raccoon	 Red Fox
 Squirrel	 Striped Skunk
 Virginia Opossum	 White -Tailed Deer

SCAVENGER HUNT

	3 Different Types of Leaves 
	A Tree Stump 
	A Wasp Nest 
	5 Squirrels 
	A Birds Nest 

	4 Fish 
	A Pollinator 
	A Bridge 
	3 Different Types of Seeds 
	Evidence of a Deer 

	A Tick 
	Animal Scat 
	Animal Tracks 
	4 Birds 
	A Decomposer 



OUTDOOR CLASSROOM TULSA

CURIOSITY • HANDS-ON • LIFE SKILLS

OutdoorClassroom.org

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OUR MISSION

To positively affect communities from the kids up, by
empowering innovators with STEM/Life Skill habits through
repetitive exploration of a natural living laboratory.



TULSA PARKS



Tulsa Regional
STEM Alliance



EXPLORE ENGAGE EMPOWER



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