Habitat FUN!

Watch "Habitat Hunt" - by Miles & Sienna

If you listen carefully you'll hear the answers to the questions below

What is a habitat?

habitats are the environments in which animals live

List the four parts that make up a habitat?

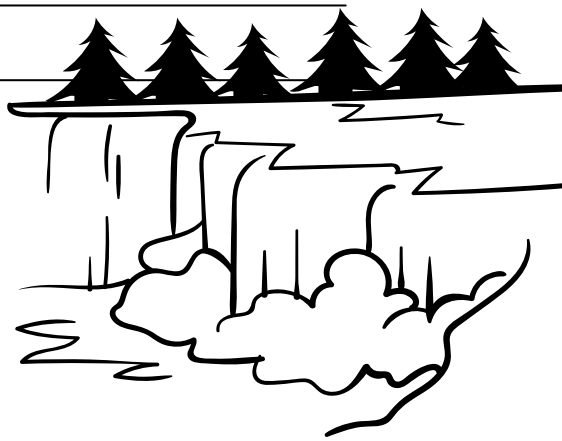
Food, water, shelter, space

What is a gall? give an example of what live sin them.

Galls are made by insects releasing chemicals on a plant , causing the plant to grow faster and swell up. Aphids can create and live in a gall

Where do Ground Squirrels sleep ? what do they eat? Where do they get water ? Where do they find shelter?

Ground Squirrels dig holes underground to sleep , eat acorns from Oak trees, near by creeks provide water, they find shelter in sage bush and coyote bush



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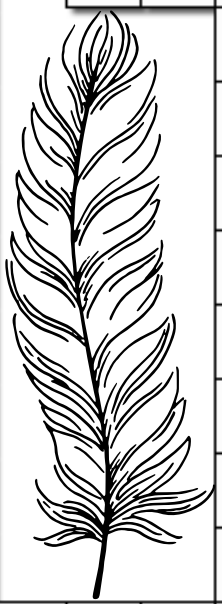
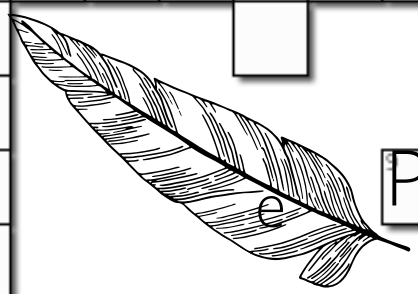
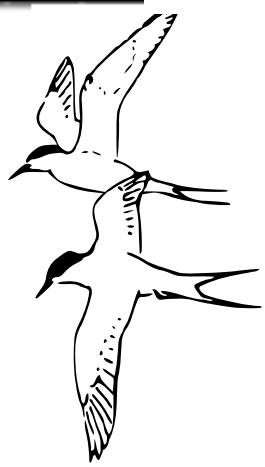
BIRDS!BIRDS!
BIRDS!

Follow along Emma S, Video "Birds" for answers, listen carefully

HINT: write down bird names as soon you see them on the screen







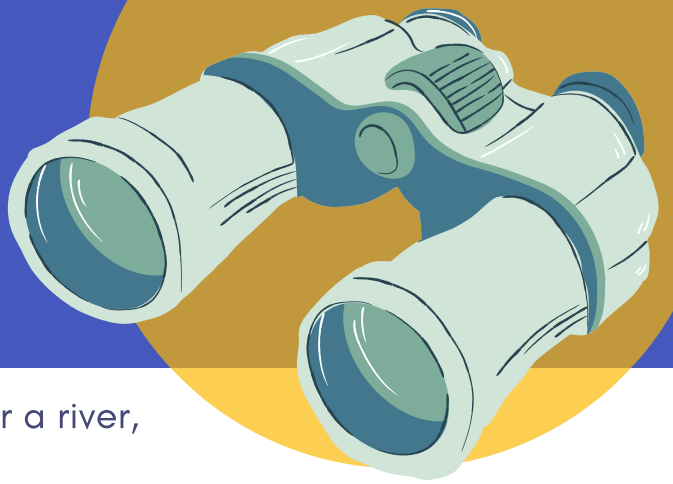
Down

1. know as aerial insectivore swooping in the air to catch bugs
3. large duck, with hooked and serrated bills females & young =redhead males=green heads
4. only feeds on dead things (animals)
5. Scavenger, black brown feathers with red bald head ,sorrows in the sky scanning for food
7. Diet consist of mostly insects

Across

2. considered a generalist , dabbling duck
6. type of hawk, white and dark brown with a hooked beaks large talons used to catch fish
8. large grey blue bird with a strip on either side if its head
9. eat smaller prey depend on healthy populations of prey to thrive, can help keep invasive spices low
10. diet consist of alot of things (plants, seeds, insects
11. White, black bill, long black legs with yellow/orange feet (looks like Great Egret)
12. White feathers, long black legs , long slim orange bills

BIRDING ADVENTURE



Things you'll need

- *Notebook+ Pencil*
- *Field guide (Book website, app :Merlin Bird ID)*
- *binoculars*

Find a place to sit , under a tree, near a river,
look up at trees or in a bush

Be Patient and LISTEN,

WHAT DO YOU NOICE ABOUT THE BIRD?

take notes or draw what you observe

HOW BIG IS THE BIRD?

FEATHER COLOR(S)

IS IT A MALE OR FEMALE?

WHAT IS IT DONG?

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Name: _____ Date _____

HERPING ! WORD SEARCH

Look for the words listed below.

T F C V L G L I J S S P L A T O J I E
Q I N D I C A T O R S P E C I E S B C
P A H U H W R E A M P H I B I A N S T
M Q C G H E R P E T O F A U N A H U O
A J Q L X E N S A T I N A J W G L L T
K J C O M M O N C H U C K W A L L A H
V H E R P F T Q K R G A N U X C N F E
X E P A C I F I C T R E E F R O G S R
J L A X Y D R R I M V H W P K C F G M
E D R E P T I L E S H R C G V Q X H I
I C O H Q B A S K I N G T F H J O T C
D B F J L N P D R H E T R C H B T W H

Herpetofauna
Amphibians
Ensatina
Herp

Indicator Species
Ectothermic
Pacific Tree Frog

Reptiles
Basking
Common Chuckwalla

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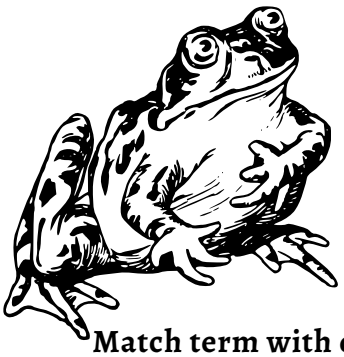
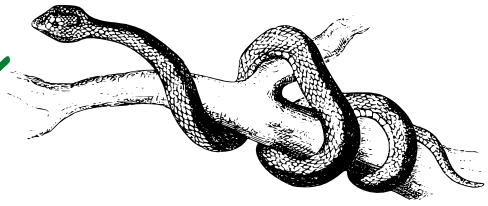
Name: ..... Grade & Section: ..... Teacher: ..... Date: .....



Herping



Follow along with "Herping " video- By Liz ,

Match term with definition or examples note some definitions have mulitple answers

1. __G __and __K __are reptiles
2. Outside + Heat =_I__
3. short for Herpetophauna . A
4. rely on outside environment to maintain there body heat
   EX: Lizards, Snake, Turtles = E
5. tell us the environment is healthy by being there (HINT: amphibians are these) = H
6. herp + fauna=___B____
   herp=Crawling ,fauna= animal/creature
   included amphibians and reptiles
7. C J
   ____&____ are amphibians
8. Sun bathing = F
9. they breath through their skin, must have access to water
   Ex: Newts, toads, frogs
   salamander = D

A. Herp

B. Herpetofauna

C. Ensatina

D. Amphibians

E. Reptiles

F. Basking

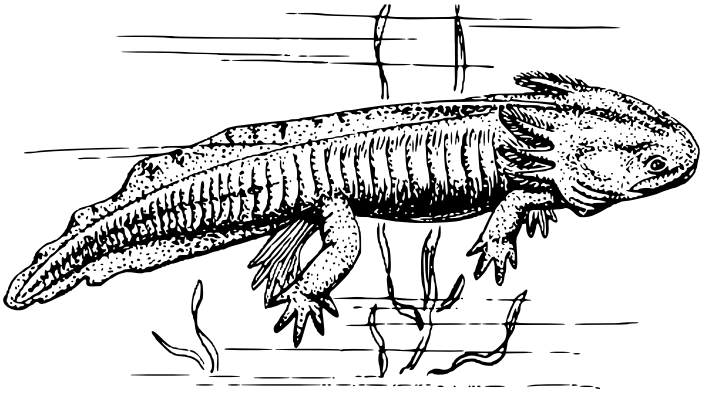
G. Common Chuckwalla

H. Indicator Species

I. Ectothermic

J. Pacific Tree Frog

K. Western Fence Post Lizard



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HOW TO HERP?

Do some research

- *Stebbins Guide*
- *app: iNaturalist*
- *web: Californiaherps.com*

STUDENT NAME:

DATE:

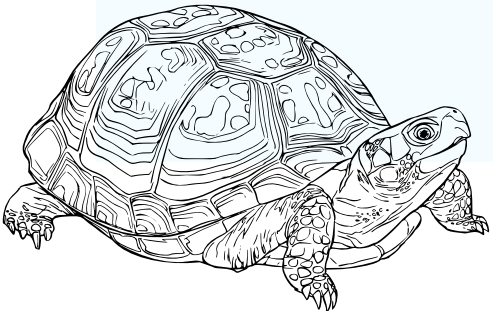
WHO ARE YOU LOOKING FOR ?

WHAT KIND OF HABITAT WOULD THEY BE IN ?

Remember to just observe with your EYES from a distance. DO not handle Reptiles ONLY take pictures of reptiles!

Reptiles Spotted?
(Lizards, snakes, turtles)

Amphibians Spotted
(Lizards, snakes, turtles)



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The Wonderful World of Tree

FUN facts + Coloring Sheet

follow along "Tree" video by Megan-WSP yr 26

Deciduous Trees and shrubs

Lose their leaves at the end of 1 season of growth, usually in the fall or winter

- Foliage: Broad leaves wide and flat connected by pineal to branch
- Spreading limbs & rounded canopies

Big Leaf Maple *Acer macrophyllum*

- Broad canopies
- mutiplre

Evergreen Trees and shrubs

Keep green leaves or needles during the fall or winter seasons. They have last year leaves or needles as well as springs new growth on the same branch

- Foliage as compact dense leaves, on rotating branches
- "pyramid" shaped canopies

Coastal Redwood ,*Sequoia sempervirens*

- can live thousands of years
- grow ›300 feet tall

Why are trees Important to our riparian areas ?

- Provide shade for fish like Coho Salmon
- Tree roots stabilize (hold) creek and river banks together
- Roots wad and large woody debris (LWD) provide a great habitat for salmon and other aquatic life
  - water slows down and creating deep pools
  - LWD can influence the shape of the creek channel
    - LWD structures can occur naturally or be built

Foliage = leafy part of trees and plants

Riparian zone = area along banks of water ways Creeks streams and

ATTACK OF THE RED SWAMP CRAYFISH!

DEFINE TERMS :

Invasive species: any species that enters a new environment that its not originally from

native species: any species that is in an environment that its originally from

TRUE(T) OR FALSE (F) :

- The Red Swamp Crayfish are native to California? T / F
- Native species are introduced to a new environment or habitat that they are not originally from. T / F
- Invasive species can cause a lot of harm to an ecosystem. T / F
- The Red Swamp Crayfish is originally from the south-central United States like Texas.

LIST 3 NATIVE SPECIES IMPACTED BY CRAYFISH

1. pacific bull frog
2. California newt
3. Salmonid species (Rainbow and steelhead trout)

WHY ARE CRAYFISH SO HARMFUL TO CALIFORNIA'S WATERWAYS?

no natural predators

1. Fast growing and quick to reproduction
2. Eat a lot, aggressive predation
3. More Crayfish = more mosquito

Bonus:

LIST 3 WAYS YOU CAN HELP STOP THE SPREAD OF INVASIVE

1. Don't release pets into wild areas or creeks (EX: fish , turtles,)
2. Clean outdoor equipment after you use it
3. Volunteer to remove invasive species

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