

Visit the "Scouting with Mr. R." web site at:

<http://www.relia.net/~thedane/scouting.html>

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Revised March 2005



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PLANTS (1)

Name **three** ways plants are important to animals.

- 1) _____
- 2) _____
- 3) _____

Name a plant that is important to animals that is protected in your state or region.

Explain why it is at risk:

- _____
- _____
- _____
- _____



NATURE

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

- | | | |
|------------|-----------|---------|
| AMPHIBIAN | INSECT | REPTILE |
| ANIMAL | MAMMAL | ROCK |
| BIRD | MULLUSK | SOIL |
| COCOON | NATURE | SPECIES |
| CRUSTACEAN | PLANT | SPIDER |
| FISH | PROFILE | |
| FOODCHAIN | PROTECTED | |

PLANTS (1)

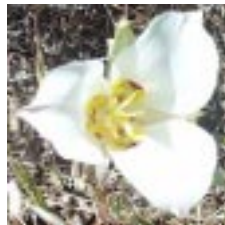
Name **three** ways plants are important to animals.

- 1) _____
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Explain why it is at risk:

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

- | | | |
|------------|-----------|---------|
| AMPHIBIAN | INSECT | REPTILE |
| ANIMAL | MAMMAL | ROCK |
| BIRD | MULLUSK | SOIL |
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| CRUSTACEAN | PLANT | SPIDER |
| FISH | PROFILE | |
| FOODCHAIN | PROTECTED | |

Soil Profile

Horizon & Thickness

O inches thick

A inches thick

B inches thick

C inches thick

The bottom "R" layer is the solid rock.

Attach a 4" strip of 1"-wide carpet tape here.

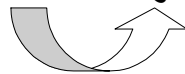
Measure the average depth of each horizon and record it on the chart.

Attach carpet tape. Slowly peel back tape backing from the top to expose about a 1" sticky area.

Carefully spread some of the "O" litter on it. Peel back a little more and spread on some "A" layer. Repeat with all the other layers.

Place wax paper between these pages to keep them from sticking!

http://soils.usda.gov/education/resources/k_12/lessons/profile/



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ANIMALS (2)

Name **three** ways animals are important to plants.

- 1) _____
- 2) _____
- 3) _____

Name an animal that is protected in your state or region.

Explain why it is at risk:



ANIMALS (2)

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- 1) _____
- 2) _____
- 3) _____

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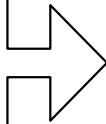
Explain why it is at risk:



FOOD CHAINS (3)

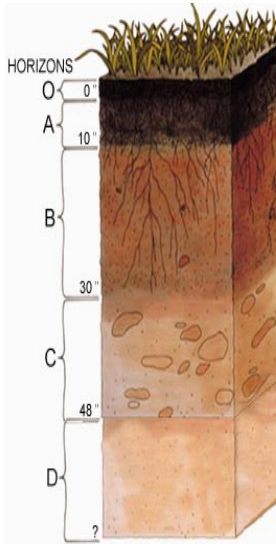
Explain the term "food chain":

On the next page, give an example of a 4-step **land** food chain and a 4-step **water** food chain.



SOILS & ROCKS

a) Collect and identify soils found in different layers of a soil profile. (The chart on the following page will be helpful in creating your soil profile).



b) Collect and identify **five** different types of rocks from your area.

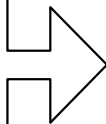
Adult Leader Signature _____

Date _____

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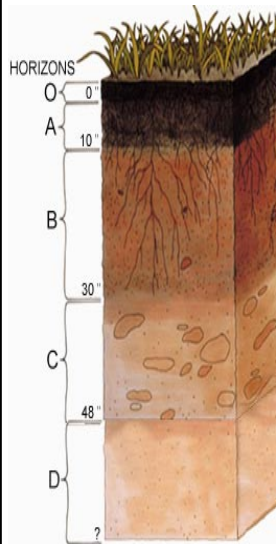
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Adult Leader Signature _____

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PLANTS

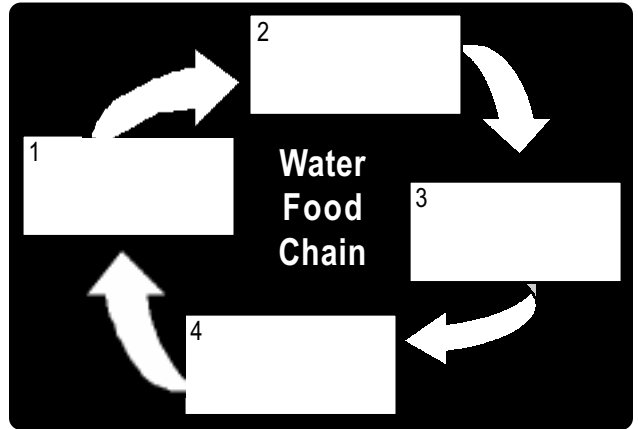
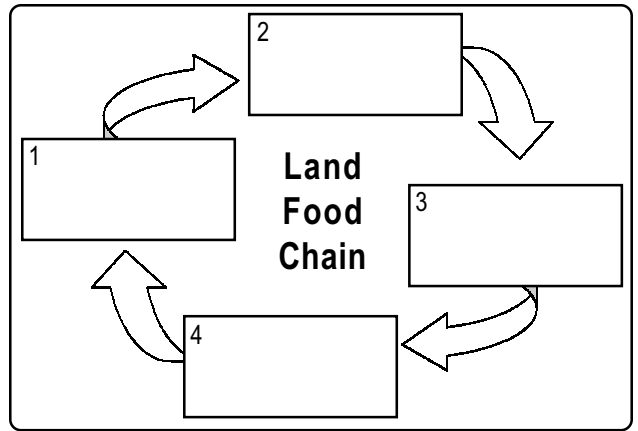
a) **In the field**, identify **15** species of wild plants.



b) Collect and label seeds of **six** plants; **OR** the leaves of **12** plants.

Adult Leader Signature _____

Date _____



PLANTS

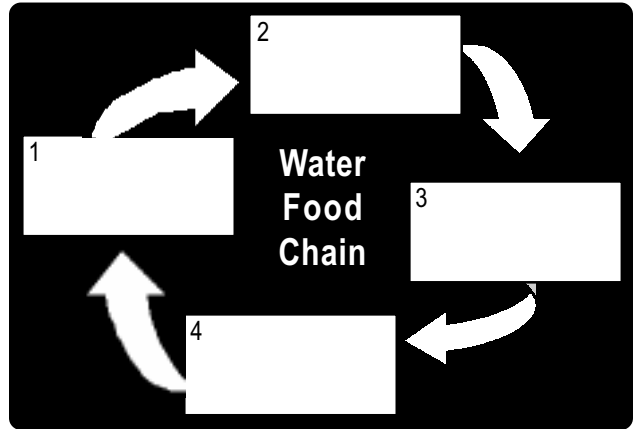
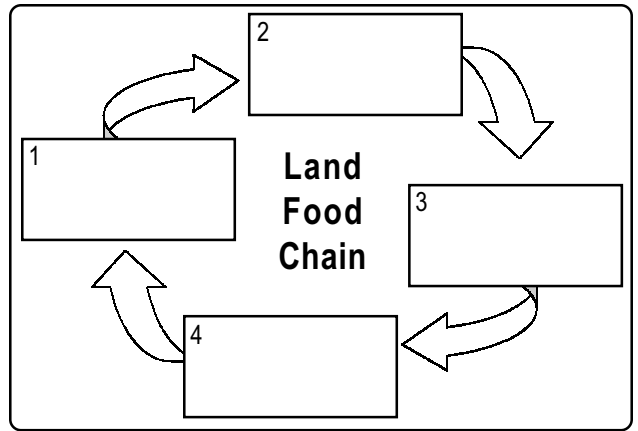
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Adult Leader Signature _____

Date _____



FIELD WORK (4)

Do **ALL** the requirements in **FIVE** of the following fields. Have an adult leader sign and date them.

BIRDS

a) **In the field**, identify **eight** (8) species of birds.



b) Make and set out a birdhouse; **OR** a feeding station; **OR** a birdbath. List what birds used it during **one month**.



Can't be done at camp

Adult Leader Signature _____

Date _____

MULLUSKS & CRUSTACEANS

a) Identify **five** species of mollusks and crustaceans.



b) Collect, mount, and label **six** shells.

Adult Leader Signature _____

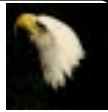
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FISH

a) Catch and identify **two** species of fish.



b) Collect **4** kinds of animal food eaten by fish in the wild.

Adult Leader Signature _____

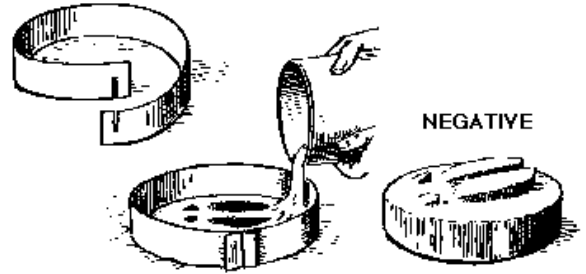
Date _____

MAMMALS

a) **In the field**, identify **three** species of wild mammals.



b) Make plaster casts of the tracks of a wild mammal.



(For help, visit Mr. R's "Mammal Study" web page (the Internet address is on last page) or visit:

● <http://140.211.62.101/lessons/collecting/animaltracks.html>

Adult Leader Signature _____

Date _____

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Adult Leader Signature _____

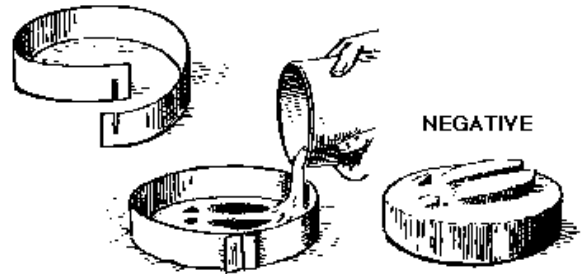
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Adult Leader Signature _____

Date _____

REPTILES & AMPHIBIANS

a) Show that you can recognize the poisonous snakes in your area:



In the field, identify 3 species of reptiles or amphibians:

b) Recognize **ONE** species of toad or frog by voice; **OR** identify one reptile or amphibian by eggs, den, burrow or other signs.

Adult Leader Signature

Date

INSECTS OR SPIDERS

a) Collect, mount, and label **10** species of insects or spiders.



b) Hatch an insect from the pupa or cocoon; **OR** keep larvae until they form pupae or cocoons; **OR** keep a colony of ants or bees through **one season**.



Can't be done at camp

Adult Leader Signature

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