Lenticels
Bundle scars
branches
woodpecker holes
leaf buds
node
trunk
roots

Trees as Habitats
PLT Early Childhood # 10
K-8 guide #22
Tree Benefits

Mark off any plants, animals, or fungi that you found on the tree.

Lichens	Ferns	Mushrooms
Moss	Slug	Spider
Bird or bird nest	Ants	Squirrel

What else did you find living on or near the tree?

Intermediate
Trees as Habitat #22

Tree Number_____

Descriptive Question: Do trees provide habitat for a diversity of organisms?

1. What do you find on the tree's trunk?

2. What do you see in the tree's branches?

3. What do you see on the tree's leaves?

4. What evidence do you see or hear that indicates animals use the tree?

5. What evidence do you see that other plants are using the tree as a habitat?

6. How many different types (species) of organisms (plants, animals, fungi) did you find? _____

7. How many different types (species) of organisms did you find evidence for? _____

8. Add 6 and 7 together and record for your tree on the graph_____.

Graph the Numbers of Different Types of Organisms Found or Evidence of on the Tree Observed

Number of Different Types of Organisms Found/Evidence of										
20										
19										
18										
17										
16										
15										
14										
13										
12										
11										
10										
9										
8										
7										
6										
5										
4										
3										
2										
1										
	Tree 1	Tree 2	Tree 3	Tree 4	Tree 5	Tree 6	Tree 7	Tree 8	Tree 9	Tree 10
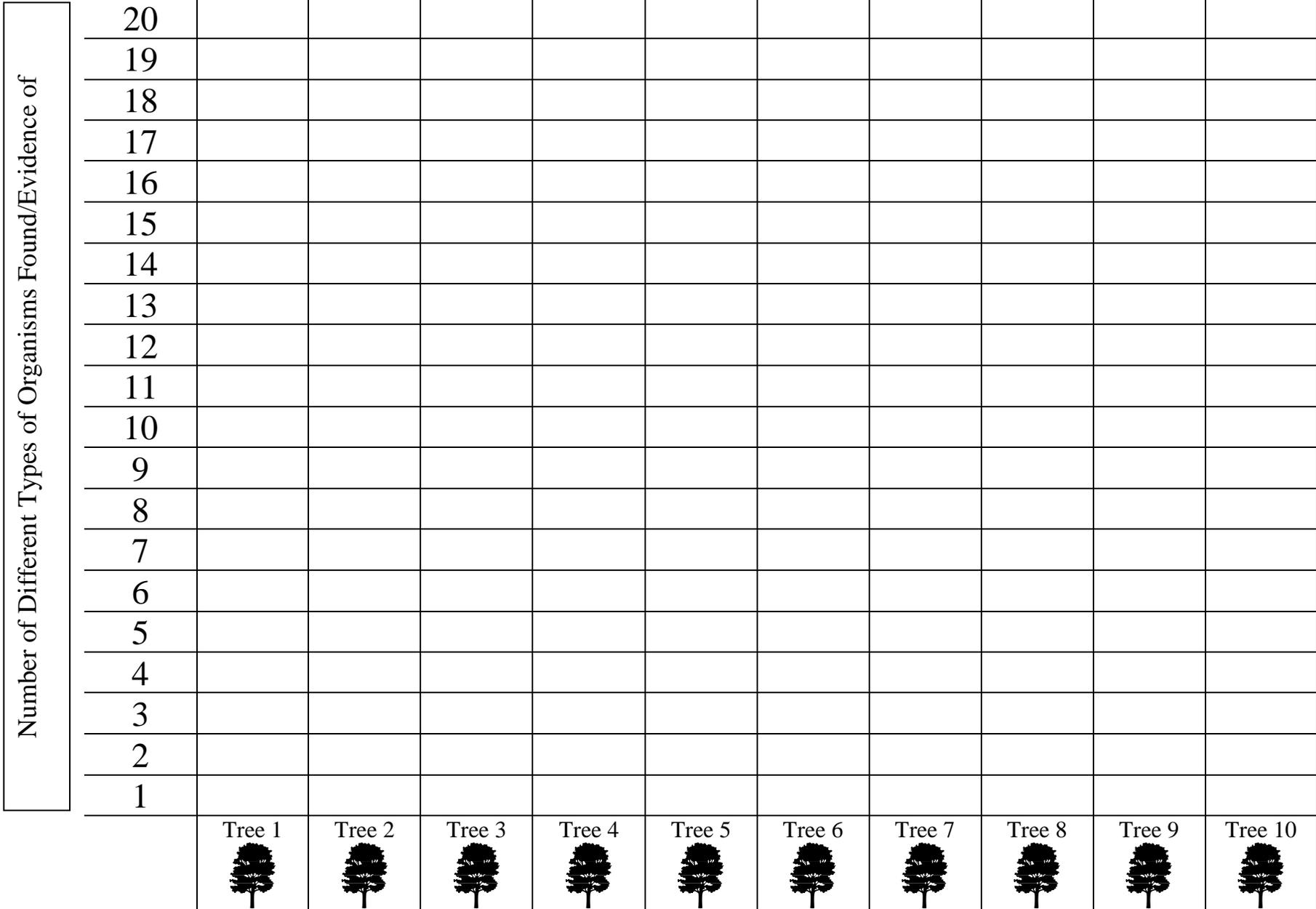
Categorize the organisms and evidence of organisms you found.

Category-Plants (other than mosses and lichens)	Category-Animals
Category- Fungi	Category- Moss and Lichens

PEI PACIFIC EDUCATION INSTITUTE

Claim, Evidence, Reasoning

Write a scientific explanation that answers the question: **Do trees provide habitat for a diversity of organisms?**

Claim
Evidence
Reasoning

Talk Moves for Trees as Habitats

Answer the Question: Do trees provide habitat for a diversity of organisms?

1. Yes/No I (do/don't) think that trees provide habitat for a diversity of organisms.

    Today, _____, we observed trees in teams and found (answer the question).

2. I agree/disagree with your claim that_____
    and the evidence is that _____
    (Give mean and/or range of data)

3. I agree/disagree. We also found_____. I think how
    we collected data could be improved by_____.

4. Let me summarize what we just discussed.

PEI PACIFIC EDUCATION INSTITUTE

5. Benefits of Trees as Part of an Ecosystem   www.treebenefits.com

---

Name of Tree_____

Circumference (C) _____inches

To calculate diameter:
Circumference ÷ π (3.14) = _____Diameter (do not record numbers after the decimal)

STORMWATER

How many gallons of runoff will your tree stop this year? _____

Look at the bullet points to answer this next set of questions.

Trees reduce run-off by:

●Intercepting and _____rain on leaves, branches, and bark

●Increasing infiltration and storage of rainwater through the _____

●Reducing soil _____by slowing rainfall before it strikes the soil

CO_2

Your tree will reduce carbon in the atmosphere by _____ pounds this year.

An "average" car generates _____ pounds of CO_2 every year.

In the first bullet point we learn that trees reduce carbon in the atmosphere because they
lock up _____ in their_____
while they grow and in wood products after they are harvested.