



The Tranquille River Ecosystem (2) Name _____

Fill in the blanks:

1. In this area, many species of plants and animals thrive. This is called _____.
2. All of the land area that drains into a body of water is called a _____.
3. The _____ zone is the area around the water.
4. The land away from the water and on the hillside is called the _____ area.
5. The river water is brownish in color because of the _____ in it.
6. Many of the rocks around Tranquille River were formed by _____.
7. The trees that have leaves are called _____ trees.
8. The trees that have needles are called _____ trees.
9. The mineral discovered in the 1850's in this area was _____.
10. The trees with the shorter life span and shallower root systems are the _____ trees.
11. The trees with the longer life spans and the deeper root systems are called _____ trees.
12. Trees that provide food, homes or shelter for other living things are called _____ trees.
13. When soil is moved by water, wind or ice, it is called _____.
14. The wall of volcanic rock is called a _____.
15. The name of the Provincial Park that Pine Park is in is called the _____ Provincial Park.
16. Growing on many of the rocks going to the gold mine is something often referred to as the "pioneer plant". It is _____.

List three reasons why trees along a waterway are important for the survival of salmon.

1. _____

2. _____

3. _____

What is the difference between a tree and a shrub?

Name 2 shrubs that are in the area.

Name a deciduous tree in the area.

Name a coniferous tree in the area.

Name and explain how 5 plants in the Tranquille River area were used by the First Nations people.

1. _____
2. _____
3. _____
4. _____
5. _____

Wildlife trees are important for food, nesting, and shelter or habitat. Illustrate a wildlife tree and label: a cavity, a nest, some type of food from the tree and a home or habitat for something.

1. What species of salmon did you raise at your school? _____

2. Name 4 other species of Pacific Salmon. _____,
_____, _____, and _____.

3. What is the usual life span for the species of salmon you raised?

4. Your salmon fry would like to spend the summer, fall and winter in Tranquille River. What are two concerns we have about this river being good habitat for them?

_____.

5. For the following life cycle stages of salmon, list two (different) predators or limiting factors.

Egg and eyed egg: _____

Alevin: _____

Fry: _____

Adult: _____

Spawner: _____

6. At the stream model, many problems were demonstrated that salmon might have. Name 3 of the problems and explain what you think is the best solution to increase the salmon's chance of survival.

Problem 1:

Solution:

Problem 2:

Solution:

Problem 3:

Solution: