

# wildsight – Field Trip Quiz

## Grade 4 – The Magic of Nature

Identify the following item in the list as either a living organism using the letter “L” or a non-living element using the letter “N”.

- |                                  |                                 |
|----------------------------------|---------------------------------|
| <input type="checkbox"/> trees   | <input type="checkbox"/> fungus |
| <input type="checkbox"/> the sun | <input type="checkbox"/> air    |
| <input type="checkbox"/> soil    | <input type="checkbox"/> water  |
| <input type="checkbox"/> a deer  | <input type="checkbox"/> mosses |

Draw a line to the ecosystem that best represents the following characteristics.

- |   |                   |
|---|-------------------|
| <ul style="list-style-type: none"><li>• presence of cattails</li></ul>  | Wetlands          |
| <ul style="list-style-type: none"><li>• dependent on fire as a natural disturbance</li></ul>                                | Grasslands        |
| <ul style="list-style-type: none"><li>• located along rivers, creeks and lakes</li></ul>                                    | Old Growth Forest |
| <ul style="list-style-type: none"><li>• presence of grasses</li></ul>   | Forest            |
| <ul style="list-style-type: none"><li>• presence of large, old, living trees</li></ul>                                      |                   |
| <ul style="list-style-type: none"><li>• contains a variety of deciduous and coniferous trees existing in one area</li></ul> |                   |
| <ul style="list-style-type: none"><li>• presence of ferns</li></ul>   |                   |

Use “T” or “F” to show if the statement is true or false.

An ecosystem is where living things interact with one another and their non-living environment. \_\_\_

Photosynthesis is the process where plants convert energy from the sun and carbon dioxide from the air into food energy and oxygen. \_\_\_

Lichen is an example of a symbiotic relationship between two organisms. \_\_\_

A decomposer is a non-living component of an ecosystem. \_\_\_

A cottonwood tree is a good example of a consumer in a forest ecosystem. \_\_\_

Insect infestation of a stand of trees in a forest is a good example of a natural disturbance that can affect a forest ecosystem. \_\_\_

The faster an ecosystem can recover from a disturbance or change, the healthier that ecosystem is. \_\_\_

Biodiversity is not an important indicator of the health of an ecosystem. \_\_\_

Trees are the largest plants on Earth. \_\_\_

An example of habitat loss for an ecosystem could be the development of a new subdivision. \_\_\_



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**Choose the best answer for the following questions.**

Which is NOT a major component of soil?

- a) water    b) glass    c) living organism    d) minerals

Which of the following living organism is NOT a producer?

- a) lichen    b) a squirrel    c) a tree    d) ferns

Lichens can be found in which of the following ecosystem(s)?

- a) wetlands    b) old growth forest    c) grasslands    d) b and c

Which one is an example of a natural disturbance to an ecosystem?

- a) drought    b) logging    c) building a new road    d) mining

Which one of the following is considered a human threat to an ecosystem

- a) over-harvesting    b) habitat loss    c) pollution    d) all of the choices

Which of the following do plants NOT provide for animals?

- a) shelter    b) oxygen    c) sun    d) food

**Number this simple food chain with 1-4 in the correct order of the transfer of food energy.**

\_\_\_ beetle

\_\_\_ grass

\_\_\_ owl

\_\_\_ shrew

**List three things that you can do in your community to become a better steward (care giver) of the environment and their ecosystems. (6 total points, two for each point)**

1.

2.

3.

