

# 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”. (8 total points)

- |             |   |            |   |
|-------------|---|------------|---|
| ___ trees   | L | ___ fungus | L |
| ___ the sun | N | ___ air    | N |
| ___ soil    | N | ___ water  | N |
| ___ a deer  | L | ___ mosses | L |

Draw a line to the ecosystem that best represents the following characteristics. (7 total points)

- |  |                   |
|--|-------------------|
| • presence of cattails <b>W</b>  | Wetlands          |
| • dependent on fire as a natural disturbance <b>G</b>                                |                   |
| • located along rivers, creeks and lakes <b>W</b>                                    | Grasslands        |
| • presence of grasses <b>G</b>   |                   |
| • presence of large, old, living trees <b>OGF</b>                                    | Old Growth Forest |
| • contains a variety of deciduous and coniferous trees existing in one area <b>F</b> |                   |
| • presence of ferns <b>OGF</b>   | Forest            |

Use “T” or “F” to show if the statement is true or false. (10 total points)

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

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

Lichen is an example of a symbiotic relationship between two organisms. **T**

A decomposer is a non-living component of an ecosystem. **F**

A cottonwood tree is a good example of a consumer in a forest ecosystem. **F**

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

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

Biodiversity is not an important indicator of the health of an ecosystem. **F**

Trees are the largest plants on Earth. **T**

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



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**Choose the best answer for the following questions. (6 total points)**

Which is NOT a major component of soil? **b**

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

Which of the following living organism is NOT a producer? **b**

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

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

- 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**

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

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

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

Which of the following do plants NOT provide for animals? **c**

- 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.**

*(4 total points)*

\_\_\_ beetle **2**

\_\_\_ grass **1**

\_\_\_ owl **4**

\_\_\_ shrew **3**

**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)**

**Possible Answers:** Learn more about and visit the different ecosystems in and around your community. Respect all the living things that live there. Pick up litter that you see. Recycle those materials that can be recycled in your community, like paper, cardboard, glass, tin and plastic. Refuse to be wasteful of non-renewable, polluting energy. Don't pollute the environment by putting chemical substances down the drain, burning toxic materials like plastic or throwing garbage into the forest. Tread lightly; stay on roads and trails while in an ecosystem. Walk or ride your bike instead of getting a ride to and from school or a friend's house. Avoid buying products that have too much packaging. Support parks and protected areas in and around your community

*(37 points in whole quiz)*



**wildsight**

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# Classroom with Outdoors

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## Engaging Ecosystem Experience