

Name: _____

Date: _____

Class: _____

Grade 9 Science
CLASSIFYING THE COMPONENTS OF ECOSYSTEMS

1. Write the number of the correct definition in front of each ecological terms:

- | | |
|-------------------------|---|
| _____ Ecosystem | 1. All of the non-living components of an ecosystem. |
| _____ Biotic Components | 2. A consumer that eats only plants. |
| _____ Carnivore | 3. A consumer that does not hunt and eats the flesh of dead animals. |
| _____ Producer | 4. The environment where plants, animals and micro-organisms live together and interact with the non-living parts of their environment. |
| _____ Omnivore | 5. Organisms that break down dead plants and animals as their source of energy. |
| _____ Decomposer | 6. All of the living components of an ecosystem. |
| _____ Abiotic Component | 7. A consumer that hunts and eats the flesh of other animals. |
| _____ Scavenger | 8. An organism that can not use the energy from the sun directly, so they eat other plants and animals to get their energy. |
| _____ Herbivore | 9. A consumer that eats both plants and animals. |
| _____ Consumer | 10. An organism that can capture the energy directly from the sun to make their own food. |

2. For the following list of things that can be found in ecosystems,

- a) Circle the items that would be classified as **HERBIVORES** in **Green**;
- b) Circle the items that would be classified as **CARNIVORES** in **Red**;
- c) Circle the items that would be classified as **OMNIVORES** in **Brown**;
- d) Circle the items that would be classified as **SCAVENGERS** in **Blue**.

Soil Particles	Mosses	Cows	Humans
Maple Trees	Cockroaches	Algae	Eagles
Fungus	Porcupines	Robins	Wheat Plants
Air	Daffodils	Grass	Caterpillars
Cars	Seals	Killer Whales	Wind
Hyenas	Sunlight	Owls	Bullrushes
Snakes	Salmon	Cactus	Grizzly Bears
Green Beans	Mould	Vultures	Rocks
Potatoes	Raccoons	Tree Toads	Spiders
Ravens	Lily Pads	Mushrooms	Honey Bees
Earthworms	Groundhogs	Rain	Poison Ivy
Grasshoppers	Loons	Frogs	Horses
Beavers	Mice	Tigers	Mink

2. Some of the items in the table in Question 2 should not be circled. What three classes of organisms have not been circled in the table? _____,

_____, _____.

3. Carnivores, herbivores, omnivores and scavengers all belong to what group of organisms?

_____.