

Biology 20 – Ecosystems worksheet

**Modified True/False**

Determine if each statement is true or false. Please correct each false statement.

1. \_\_\_\_\_ A species is a group of organisms that are able to breed with one another and produce fertile offspring.
2. \_\_\_\_\_ Abiotic factors in a forest include levels of sunlight, moisture and oxygen levels in the atmosphere.
3. \_\_\_\_\_ Birds, insects, squirrels and pine trees in the boreal forest are an example of a population.
4. \_\_\_\_\_ Abiotic and biotic factors in a particular environment are called a community.
5. \_\_\_\_\_ An example of an ecosystem is lichens covering a boulder.
6. \_\_\_\_\_ The biosphere consists of all the ecosystems in the world and their interactions.
7. \_\_\_\_\_ Aristotle classified organisms into domains.
8. \_\_\_\_\_ The six kingdoms have been reorganized into three domains, which are a level above kingdom.
9. \_\_\_\_\_ Scientists today use the binomial nomenclature system devised by Linnaeus, which uses a three-part scientific name for an organism.
10. \_\_\_\_\_ A dichotomous key is a branched or stepped process that can be used to identify organisms.

**Multiple Choice** (Select the best answer for each question below.)

Use the following information to answer the next question.

Organisms living in an ecosystem are influenced by both biotic and abiotic factors. Biotic factors result from the presence of other organisms in the ecosystem. Abiotic factors result from the nonliving components in the ecosystem.

1. Which row correctly matches an abiotic factor with its effect on an ecosystem?

Row	Abiotic factor	Effect on the ecosystem
A.	Fire	Seasonal changes
B.	Temperature	Recycles nutrients
C.	Topography of land	Affects the climate
D.	Latitude	Changes density of water