

Name: \_\_\_\_\_

Quiz Date: \_\_\_\_\_

## Topic 9: Matter and Energy in Ecosystems

### Lessons 1-2

#### Lesson 1: Ecosystems

ecosystem - the living things and nonliving things in an area

abiotic - nonliving parts of an ecosystem

biotic - living parts of an ecosystem

community - all organisms living in an ecosystem

interact - to affect another organism and be affected by it

#### Lesson 2: Organisms Within Ecosystems

producer - an organism that can make its own nutrients, usually with energy from the sun

decomposer - an organism that breaks down the bodies of dead organisms

microbe - an organism that is too small to see

consumer - an organism that needs to eat other organisms to survive

food chain - a model that shows how matter and energy flow from one organism to another

food web - a model of the transfer of energy within a set of interconnected food chains

transfer - to change in form

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### Lessons 3-4 & Review

#### Lesson 3: Change Within Ecosystems

succession - a series of changes in a community of an ecosystem

competition - when two or more organisms need the same limited resource to survive

stable - steady or unchanging

#### Lesson 4: Matter and Energy Transfer Within Ecosystems

cycle - a series of events or processes that repeats over and over

#### Words to review:

gas

liquid

solution

mixture

revolution

rotation

mass

compound