

Unit 3 Lesson 1

1. Organism ~ a living thing
2. Species ~ a group of organisms that can mate with one another and have offspring that produce their own offspring
3. Extinct ~ no longer in existence
4. Fossil ~ reserved remains or imprint of an organism
5. Biodiversity ~ variety of species in a certain place
6. Natural Selection ~ process in which organisms with traits better suited to their environment reproduce more successfully than organisms with less desirable traits
7. Evolution ~ change in the properties of populations of organisms over time; the two types are microevolution (evolution within a species) and macroevolution (evolution between species)

Unit 3 Lesson 1

Essentials of Living Things

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graph TD; A[Essentials of Living Things] --- B[Have Cells]; A --- C[Have Basic Needs: Water, Food, Gases, and A Place to Live]; A --- D[Need And Use Energy]; A --- E[Grow, Develop, And Die]; A --- F[Reproduce]; A --- G[Respond to Environment]
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**Have
Cells**

**Have
Basic
Needs:
Water,
Food,
Gases, and
A Place to
Live**

**Need
And
Use
Energy**

**Grow,
Develop,
And Die**

Reproduce

**Respond
to
Environ-
ment**

Unit 3 Lesson 2

1. Taxonomy ~ science of classifying living things
2. Taxonomist ~ a scientist who classifies living things
3. Kingdom ~ broadest taxonomy group; there are five kingdoms
4. Binomial Nomenclature ~ two-part naming system which assures that all scientists use the same name for the same organism; a combination of its genus and species names

Unit 3 Lesson 3

Kingdoms



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graph TD; Kingdoms --- Animalia["Kingdom Animalia (Animals)"]; Kingdoms --- Plantae["Kingdom Plantae (Plants)"]; Kingdoms --- Fungi["Kingdom Fungi (Fungi such as mushrooms and mold)"]; Kingdoms --- Monera["Kingdom Monera (Bacteria)"]; Kingdoms --- Protista["Kingdom Protista (Protists ~ organisms that cannot be easily classified)"];
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**Kingdom
Animalia
(Animals)**

**Kingdom
Plantae
(Plants)**

**Kingdom
Fungi
(Fungi such
as
mushrooms
and mold)**

**Kingdom
Monera
(Bacteria)**

**Kingdom
Protista
(Protists ~
organisms
that
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Unit 3 Lesson 3

Classifying Organisms

Taxonomy

