State Standard	*Stage	Descriptor
12B	Stage A	Identifying the common characteristics of habitats, or matching the needs of organisms in local and global habitats. identifying the survival needs of plants and animals, or matching groupings of animals (e.g., lion's pride, gaggle of geese, herds, packs) predicting what would happen to organisms when their environmental resources are changed (i.e., seasonally or climatically)
12B	Stage B	matching plant and animal adaptations to changing seasons or climatic changes. describing the food chains or webs in various ecosystems, or identifying local habitats, or identifying predator/prey and parasite/host relationships.
	Stage C	matching fossils of extinct organisms to their probable past ecosystems, or comparing extinct organisms and their past ecosystems to plants and animals that live in current comparable ecosystems. identifying adaptations that help animals survive in specific or multiple environments, or describing the interaction between living and non-living factors in an ecosystem, or predicting what can happen to organisms if they lose different environmental resources or ecologically related groups of organisms.

State Standard	Stage	Descriptor
	Stage D	diagramming a simple relationship between plants and/or animals (i.e., predator/prey, parasite/host, consumer/producer) commonly found in local habitats, describing simple food chains and webs in various habitats, contrasting the behavioral patterns and adaptations of organisms from different ecosystems. identifying the physical features that help plants or animals survive in their environments, or reporting on a specific plant or animal which has adapted to different environments over time.
	Stage E	classifying organisms by their position in a food web, or grouping organisms according to their adaptive internal and/or external features
	Stage F	describing how behaviors are influenced by internal and external factors, predicting the consequences of the disruption of a food pyramid identifying the interrelationships and variables that affect population sizes and behaviors, identifying different niches and relationships found among organisms in an Illinois habitat describing how fossils are used to determine patterns of evolution analyzing how environmental factors threaten or enhance the survival potential of populations.

*Grade 1 (A-B) Grade 2 (A-B-C) Grade 3 (B-C-D) Grade 4 (C-D-E) Grade 5 (D-E-F)

State Standard 12B: Students who meet the standard know and apply concepts that describe how living things interact with each other and with their environment.

Stage A1: Apply scientific inquiries or technological designs to explore the relationships of living things to their environment.

Stage A2. Apply scientific inquiries or technological designs to explore how living things are dependent on one another for survival

Stage B1. Apply scientific inquiries or technological designs to explore the impact of plants and animals in their changing environments

Stage B2. Apply scientific inquiries or technological designs to examine how plants and animals (including humans) survive together in their ecosystems

Stage C1. Apply scientific inquiries or technological designs to explore past and current ecosystems,

Stage C2. Apply scientific inquiries or technological designs to examine the interdependence of organisms in ecosystems

Stage D1. Apply scientific inquiries or technological designs to examine relationships among organisms in their environment

Stage D2. Apply scientific inquiries or technological designs to compare the adaptations of physical features of organisms to their environments

Stage E1. Apply scientific inquiries or technological designs to categorize organisms (including humans) by their energy relationships in their environments,

Stage E2. Apply scientific inquiries or technological designs to explain competitive, adaptive and survival potential of species in different local or global ecosystems,

Stage F1. Apply scientific inquiries or technological designs to study the impact of multiple factors that affect organisms in a habitat

Stage F2. Apply scientific inquiries or technological designs to apply the competitive, adaptive and survival potential of organisms