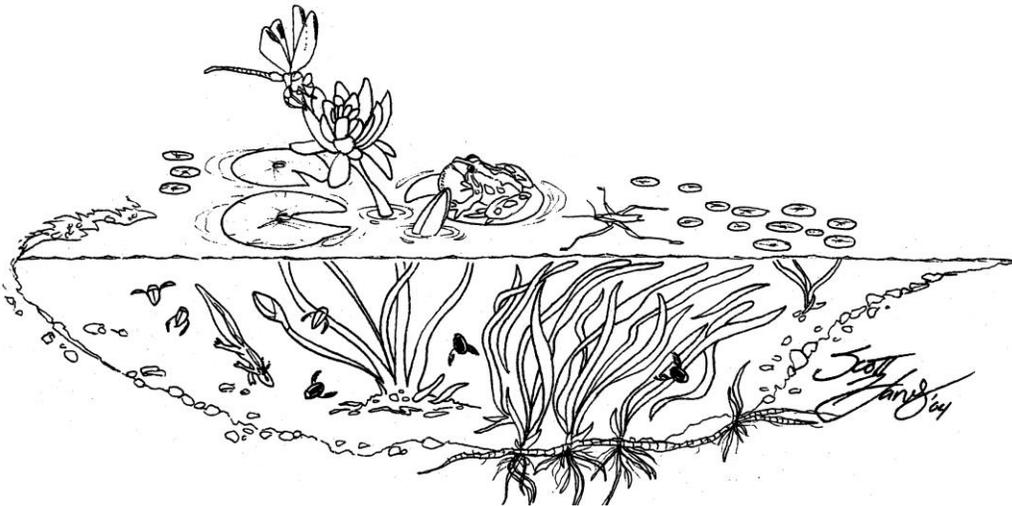


Module 1 ~ Silent Invaders (UE/MS)
Answer Key – Submersed Plants Reading Activity



Name: _____ Class Period: _____ Date: _____

Directions: Read the following and then use what you've learned to answer the questions below in complete sentences.



Submersed plants are large plants that grow mostly below the water's surface. Eel grass, coontail, and hydrilla are examples of submersed plants. Some of these plants, like eel grass and hydrilla, are rooted to the waterbody's bottom sediments. Hydrilla is a **non-native plant** that is considered to be **invasive** because it causes economic and ecological harm.

Submersed plants occur in virtually all Florida waterbodies. They provide food and habitat for fish and other aquatic animals. In a given waterbody, the amount of light, water clarity and water depth will affect where submersed plants will grow.

Submersed Plants Reading Activity (UE/MS) – answer in complete sentences.

1. What is the main characteristic of a submersed plant?

The main characteristic of a submersed plant is that it grows primarily under the water's surface.

2. How would you classify hydrilla?

Hydrilla is a non-native plant that is considered to be invasive because it causes economic and ecological harm.

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3. Name two benefits that result from submersed plants.

Two benefits that result from submersed plants are the ability to provide food and habitat for fish and other aquatic animals.

4. What factors affect where a submersed plant can grow?

The amount of light, water clarity and water depth affect where submersed plants grow.

The following is a list of suggested standards that pertain to this activity. This list is provided as a reference to incorporate and expand upon as needed.

Next Generation Sunshine State Standards

4th Grade

SC.4.N.1.4: Recognize ways plants and animals, including humans, can impact the environment.

5th Grade

SC.5.L.17.1: Compare and contrast adaptations displayed by animals and plants that enable them to survive in different environments such as life cycles variations, animal behaviors and physical characteristics.

6th Grade

SC.6.L.15.1: Analyze and describe how and why organisms are classified according to shared characteristics with emphasis on the Linnaean system combined with the concept of Domains.

Common Core State Standards

4th Grade

Common Core Code	FL Common Core Code	Common Core Standard
RI.4.1	LACC.4.RI.1.1	Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.
RI.4.4	LACC.4.RI.2.4	Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a grade 4 topic or subject area.
RF.4.3	LACC.4.RF.3.3	Know and apply grade-level phonics and word analysis skills in decoding words.
RF.4.4	LACC.4.RF.4.4	Read with sufficient accuracy and fluency to support comprehension.
L.4.4	LACC.4.L.3.4	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 4 reading and content, choosing flexibly from a range of strategies.

5th Grade

RI.5.1	LACC.5.RI.1.1	Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.
RI.5.4	LACC.5.RI.2.4	Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 5 topic or subject area.
RF.5.3	LACC.5.RF.3.3	Know and apply grade-level phonics and word analysis skills in decoding words.
RF.5.4	LACC.5.RF.4.4	Read with sufficient accuracy and fluency to support comprehension.

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L.5.4	LACC.5.L.3.4	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 5 reading and content, choosing flexibly from a range of strategies.
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6th Grade

RI.6.1	LACC.6.RI.1.1	Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
RI.6.4	LACC.6.RI.2.4	Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings.
L.6.4	LACC.6.L.3.4	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 6 reading and content, choosing flexibly from a range of strategies.
RST.6-8.4	LACC.68.RST.2.4	Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 6–8 texts and topics.

7th Grade

RI.7.1	LACC.7.RI.1.1	Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
RI.7.4	LACC.7.RI.2.4	Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of a specific word choice on meaning and tone.
L.7.4	LACC.7.L.3.4	Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 7 reading and content, choosing flexibly from a range of strategies.
RST.6-8.4	LACC.68.RST.2.4	Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 6–8 texts and topics.

8th Grade

RI.8.1	LACC.8.RI.1.1	Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.
RI.8.4	LACC.8.RI.2.4	Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.
L.8.4	LACC.8.L.3.4	Determine or clarify the meaning of unknown and multiple-meaning words or phrases based on grade 8 reading and content, choosing flexibly from a range of strategies.
RST.6-8.4	LACC.68.RST.2.4	Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 6–8 texts and topics.

Sources:

UF/IFAS Center for Aquatic and Invasive Plants: <http://plants.ifas.ufl.edu/>

Plant Management in Florida Waters: An Integrated Approach: <http://plants.ifas.ufl.edu/manage/>