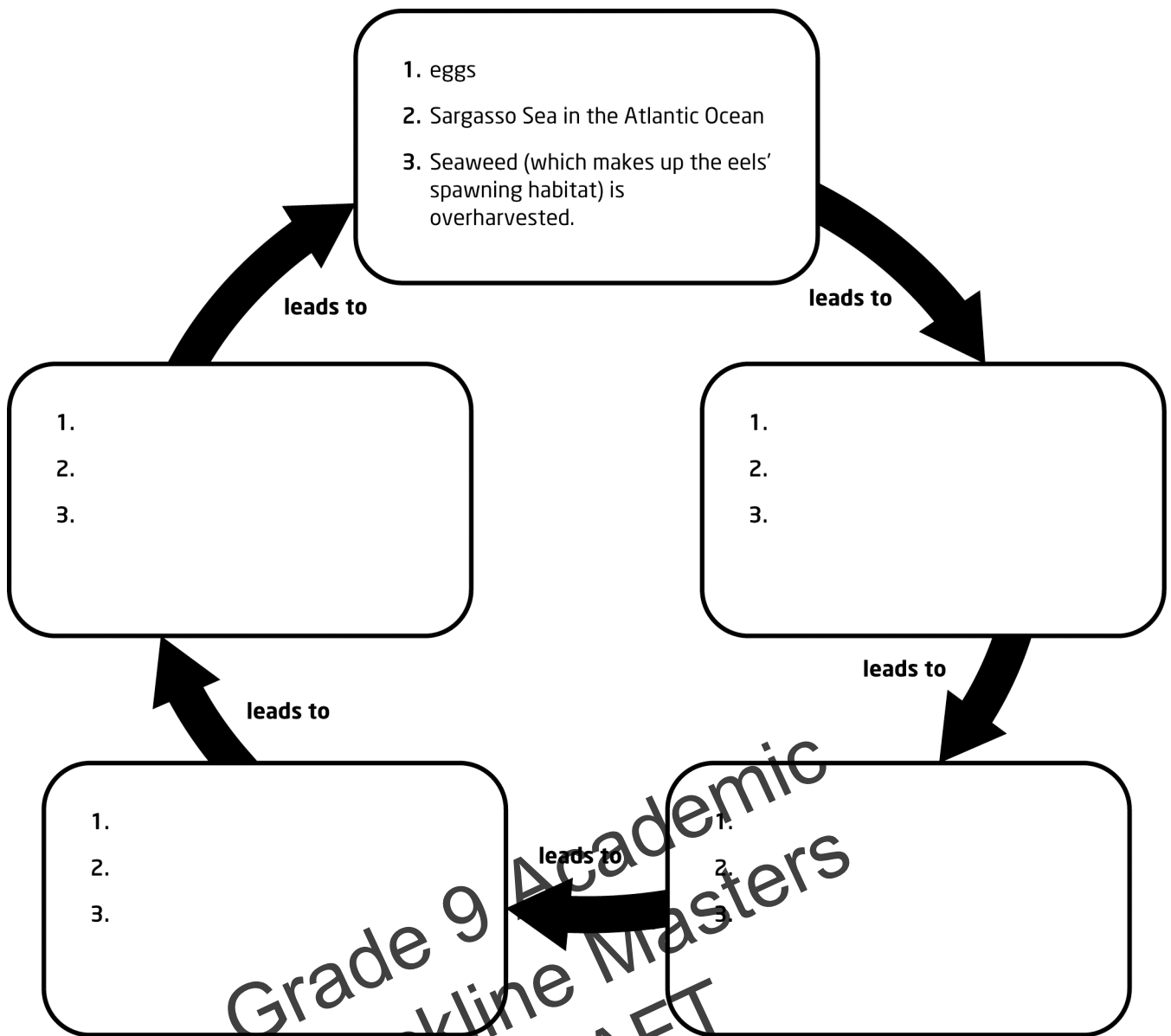


The Eel Life Cycle

Goal • Use this graphic organizer to record information about the eel.

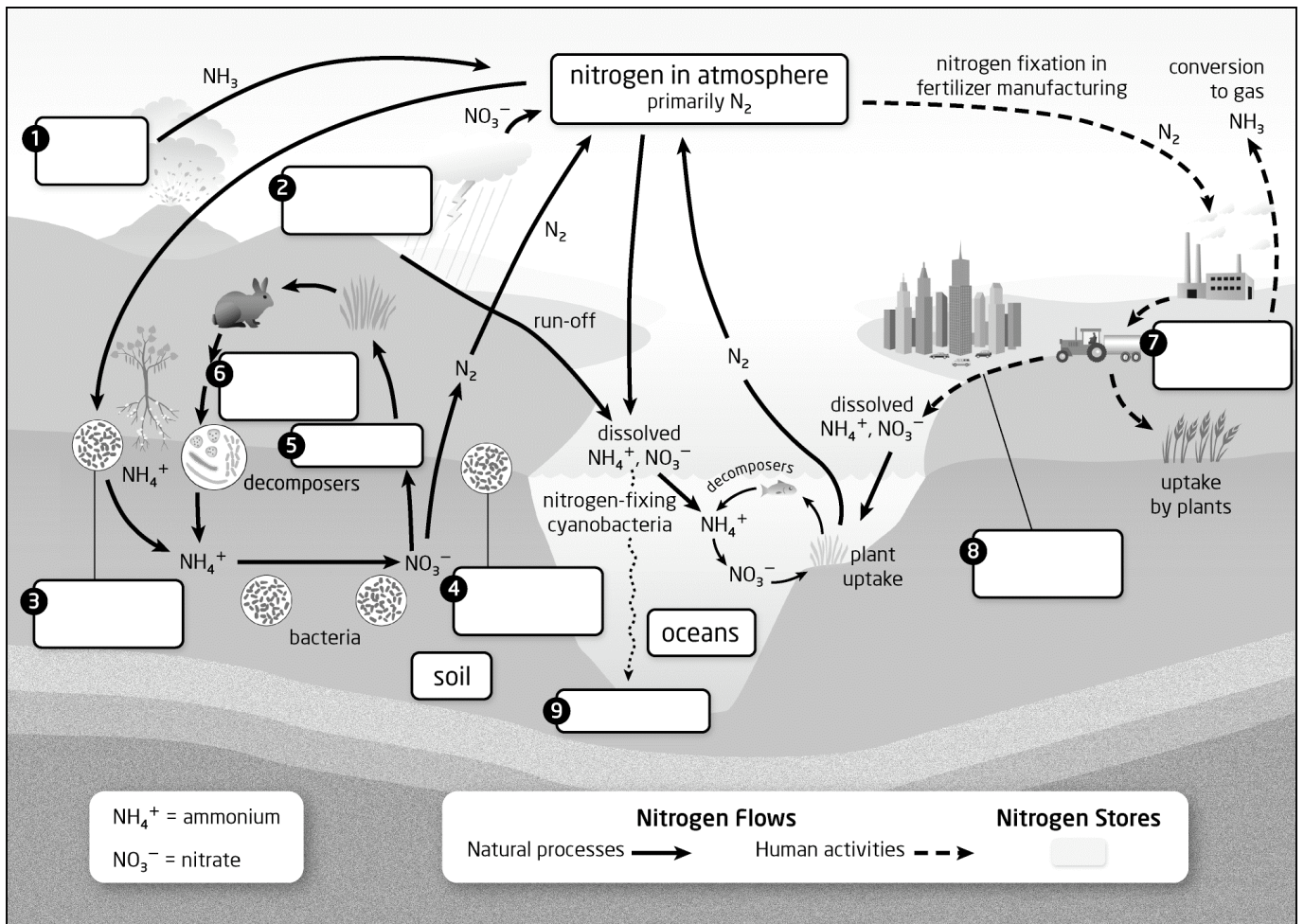
1. Identify five stages of the eel’s life cycle from the text and diagram in the case study.
2. For each stage, record the approximate geographic location where the stage takes place.
3. Jot down the dangers faced by eels during each stage.



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The Nitrogen Cycle

Goal • Use this table to record what is happening in each stage of the nitrogen cycle.



Stage	What is Happening
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	

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Goal • Use these sentences to form a cause-and-effect sequence.

These sentences are out of order. Cut them out, and then organize them so that they form a cause-and-effect sequence. Justify each link with scientific reasoning. Then study Figure 1.9 on page 18 to check your reasoning.

Algae and other plants die.

Submerged plants die due to reduced light.

Algae bloom.

Oxygen levels in the water drop too low for fish to survive.

Fertilizer runs off from farmland into water.

Bacteria use oxygen during decomposition.

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The Biosphere and Energy

Goal • Use this page to circle whether you agree or disagree with each statement before and after reading.

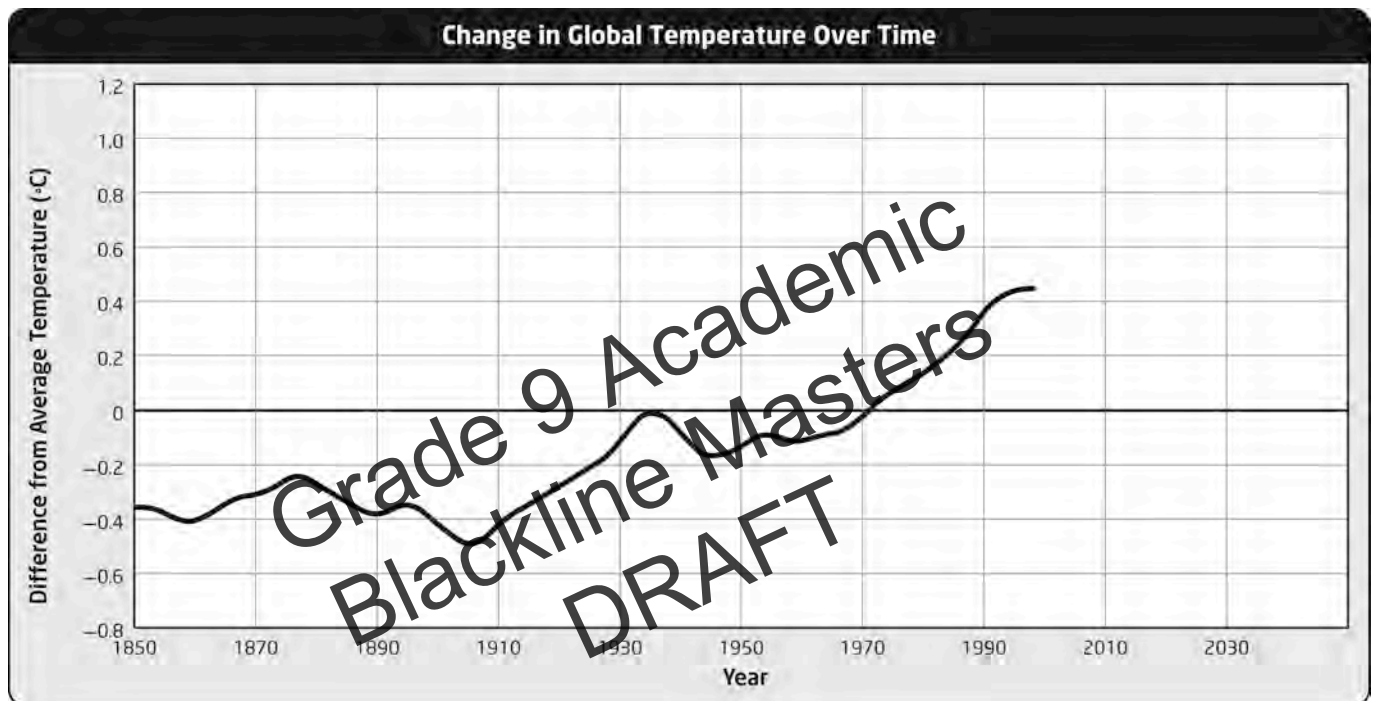
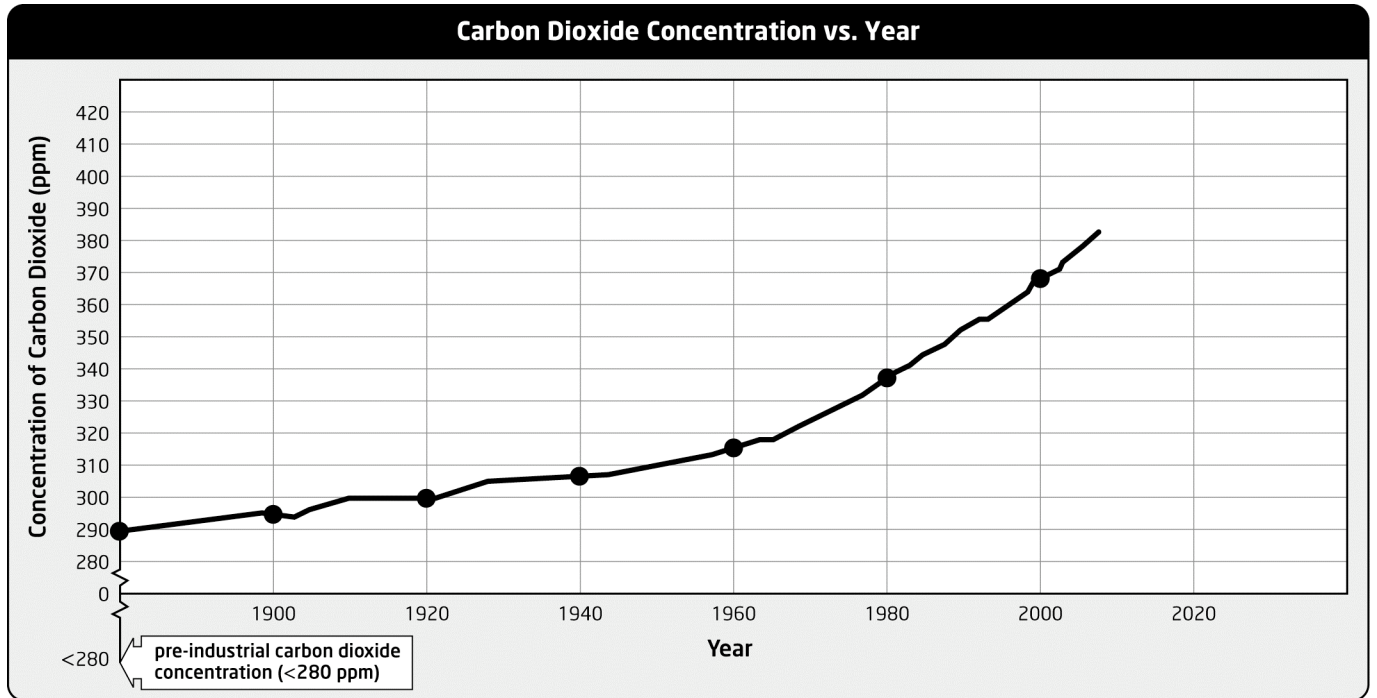
Before Reading	Statements	After Reading
Agree / Disagree	1. The Sun provides energy for almost all life on Earth.	Agree / Disagree
Agree / Disagree	2. Plants take in oxygen and release carbon dioxide.	Agree / Disagree
Agree / Disagree	3. Photosynthesis cannot occur without light.	Agree / Disagree
Agree / Disagree	4. Organisms in a lower trophic level are lower down in the food chain.	Agree / Disagree
Agree / Disagree	5. All toxic chemicals have now been banned.	Agree / Disagree

In what ways have your ideas changed?

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Goal • Use these graphs to make predictions for the future.

Extend the lines on each graph to show your predictions of what the carbon dioxide values and global temperature values will be in the following 10 and 20 years.



Goal • Use this page to create an editorial on alternative fuels.

Fill in the blanks here as your rough copy. Write your good copy on a separate sheet of paper.

Introductory paragraph

General topic sentence comparing and contrasting two kinds of alternative fuels, such as biofuel, clean coal, landfill methane, or hydrogen fuel cells.

Subtopic 1 (one sentence to introduce the first idea to support your opinion)

Subtopic 2 (one sentence to introduce the second idea to support your opinion)

Subtopic 3 (one sentence to introduce the third idea to support your opinion)

Supporting Paragraph 1

Restate subtopic 1, linking it to the main topic.

Add supporting ideas.

Write a concluding sentence.

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Supporting Paragraph 2

Restate subtopic 2, linking it to the main topic.

Add supporting ideas.

Write a concluding sentence.

Supporting Paragraph 3

Restate subtopic 3, linking it to the main topic.

Add supporting ideas.

Write a concluding sentence.

Concluding Paragraph

Restate paragraph 1 in an original way.

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