Names:

Teacher:

Class Period:

Date:

Part 1: Species in Eelgrass Ecosystems

**The question we are answering:** What are the species likely found in the eelgrass ecosystem?

**Directions:**

Answer the following questions as a group:

1. Where are eelgrass ecosystems located?
2. What kind of habitat does this ecosystem provide for aquatic organisms?
3. Brainstorm which species you would expect to find here using what we know about the habitat characteristics and location of eelgrass ecosystems:

Part 2: Food Web Construction

**The question we are answering:** What connections exist among species in the eelgrass ecosystem?

**Directions:**

1. Using the **species cards**, sort out the species to create a food web demonstrating interactions between the species, i.e. who eats who.
2. Create a food web showing these interactions. Eelgrass should form the base of your food web.
3. After you’ve completed your food web, think about how it would change if eelgrass was drastically reduced.
4. Since eelgrass forms the base of the food web and provides localized ocean acidification mitigation, how will interactions change among species? Think about which species might **decrease** and which might **increase**.

**Exit question:** Hypothesize how these relationships might change if more CO2 is absorbed (we will revisit these hypotheses in Lesson 3).

How might eelgrass help?