Node Connection Practice 2

1. **Choose a NODE from the [EXAMPLE Systems Map.](#)**

   [   ]

After choosing a **node**, think about how this **factor** may impact coral reefs. Play with the up and down arrows and see what happens to the **node** you selected.
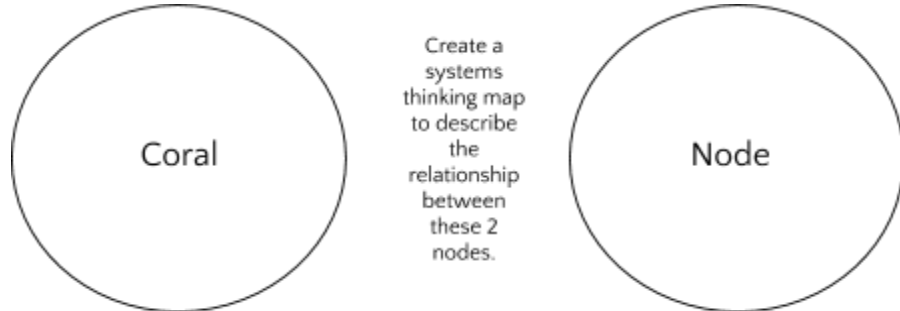   - *If this **factor** would increase, how would that affect **coral**? Would it decrease or increase corals?*
   - *Identify if this is a + or – relationship between **coral reefs** and the identified node. If one increases, does the other increase or decrease?*
   - *If both your **node** and the **coral** increase it is a + relationship. If either your **node** or **coral** increases while the other decreases, it is a – relationship.*

2. **As a Whole Class:** Using this example [coral systems map](#), or this [Exemplar Coral](#) map, what are some factors or nodes that you can identify?

3. **With Partners:** Practice identifying the remaining nodes and articulating the connections between the nodes. Use the following sentence starters to help you!

   1. *_____ is a factor that impacts Coral Reefs.*

   2. *_____ is a node that impacts the Amount of Coral Bleaching in the Coral Reefs system.*

   3. *The more _____ that occurs, the more Coral Bleaching that will occur.*

   4. *An increase/decrease in the _____ node impacts the following: an increase/decrease in _____node (repeated for however many nodes are impacted), and an increase/decrease in the Amount of Coral Bleaching.*

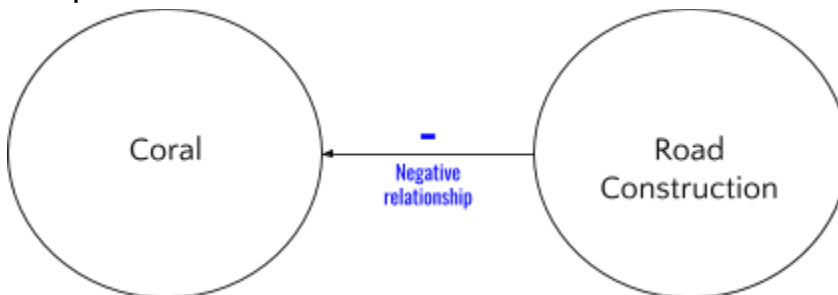# Systems Mapping Draft

1. **Drafting your Systems Map**
   a. Using the **node word bank** below create a new systems map to demonstrate the relationship and intricate system that exists between this node and coral reefs. Use the image below to get started with the **2 main nodes (coral + _____).**
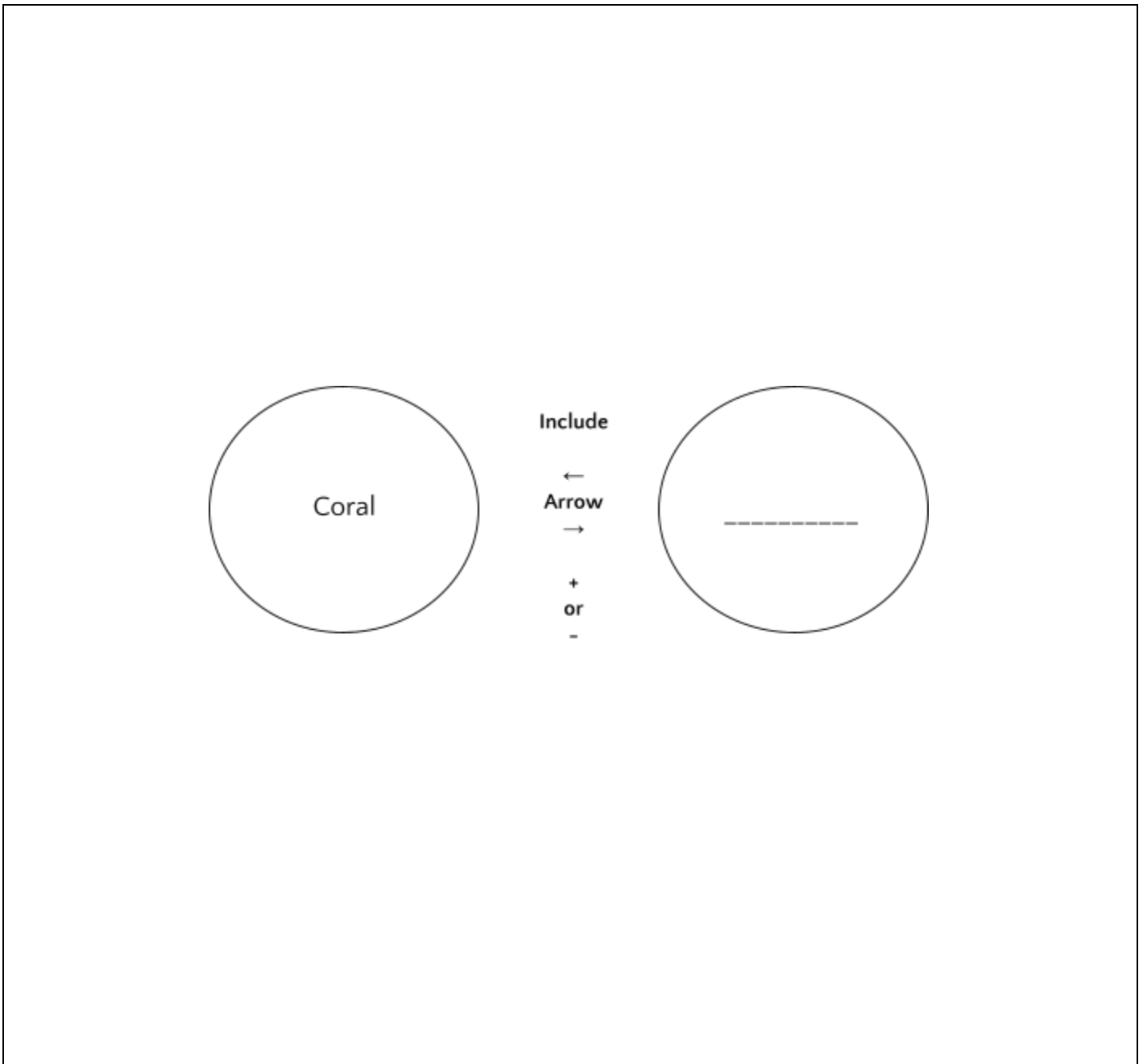

   b. **Choose a Node from the Node Bank Below:**

   Invasive Species
   Algae Growth
   Land–based pollution
   Chemicals
   Sediments from construction – turbidity
   Plastic
   Runoff
   Overfishing
   Increased population
   Urbanization
   Carbon Dioxide
   Climate Change

   c. **Draft your systems map on paper.**
      Example:

   This will give you a chance to practice making connections between nodes.

Use the guided template below to get started. Add other circles with new nodes and make connections between those **nodes, your selected node, and coral.**

```
        ⬭                    Include              ⬭
                               ←
      Coral                  Arrow            ----------
                               →

                               +
                              or
                               -
```

Checkpoint: _____(signed off and ready to move onto digital version!)

d. **Transfer your systems maps to Loopy.**
   a. *This is an example of a completed systems map in Loopy.*
   b. **Watch this video** to learn how to make a systems map in Loopy.