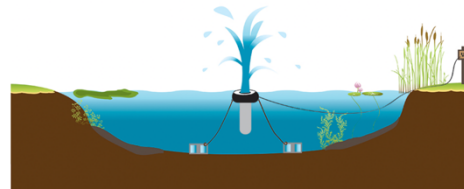**Class model:**

Scientists at Rutgers recently found out that the fountain in Passion Pond broke and <u>stopped working</u> about 2 weeks before the fish died.

<u>Evidence about ponds and fountains:</u>
The gardeners at Penn State wanted to install a new fountain in their lotus pond. Fountains suck water from the bottom of the pond and spray it up where it mixes with air before falling back into the pond. The gardeners first measured the dissolved air 4 feet below the surface of the pond. The dissolved air was <u>4 mg/l.</u>

They then installed a fountain in the middle of their pond. They measured the dissolved air 4 feet below the surface after the fountain worked for 5 days. The dissolved air was <u>8 mg/l</u>

1. **What should you do to our class model given this new evidence? You can make changes to the class model above and explain your changes below:**

_____

_____

_____

_____

_____

2. **In science you have learned a lot about criteria for good models. What do you think is the MOST important criterion for good models? Explain why you think so!**

_____

_____

_____

_____

_____

3. **List three important differences between evidence from simulations and evidence from studies:**

    1. _____

        _____

        _____

    2. _____

        _____

        _____

    3. _____

        _____

        _____