

## TEACHER ACTIVITY PREP

**Mason Jar and Straw Prep:** Complete all steps for each student group prior to lesson



1. Fill 2 of 3 mason jars half-way with water.



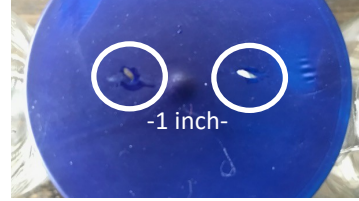
2. Cut the neck off 1 balloon. Throw away the neck.



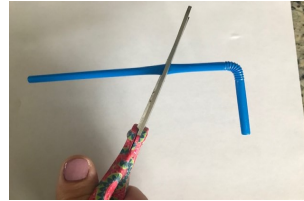
3. Stretch balloon top over lip of 1 mason jar filled half-way with water.



4. Use a sharp object to poke 2 small holes into the stretched balloon.



5. The two holes should be about 1 inch apart.



6. Cut long end off 1 straw. Throw away remaining bended piece.



7. Tape the long end just cut to another full straw.

## STUDENT INSTRUCTION

### Labeling and Pump Assembly



1. Have student groups arrange jars in this order.



2. Have student groups tape labels to jars in this order: house, pump station, treatment plant



3. Have student groups place one end of assembled straw in the "house" jar and the other end in one hole of the "pump station" balloon.



4. Have student groups place long end of remaining straw in the second hole of the "pump station" balloon. The short end of straw should hang over the "treatment plant" jar.