

Names of Team Members: \_\_\_\_\_

**Materials (per student group)**

- 10" plastic plate with divided sections
- Transparent plastic bowl, 9–9.5" diameter at the rim
- 500 mL of clean and dry aquarium gravel
- 15 mL of green sugar sprinkles and colored nonpareils mixture (3:2 ratio)
- 500 mL water
- small plastic watering can with sprinkle head

*Advance Preparation:* With the assistance of an adult, poke holes in the large area of the plate with a push pin. Push the pin through the top of the plate so that it comes out the bottom.

**Procedure**

1. Measure 100 mL of water and pour into the plastic bowl.
2. Place the plate on top of the bowl and secure it with tape, if necessary.
3. Pour the gravel onto the area of the plate where there are small holes.
4. Fill with water the remaining spaces without holes on the plate.
5. Spread the mixture of sugar and nonpareils on the gravel.
6. Fill the watering can with 300 mL of water.
7. Pour the water from the watering can over the gravel portion of the plate.
8. Make observations about the water in the reservoirs on the plate.
9. Make observations about the water inside the bowl.
10. Record observations in your science notebook.