

## Water Flow in a Repository Student Activity Sheet

1. Describe your strategy for isolating the cotton ball.
2. Did water come in contact with your cotton ball? How long did it take?
3. Did the water move the food coloring straight toward the bottom of the bottle or did it branch out laterally? Describe why you think it reacted as it did.
4. How long did it take to for the food coloring to reach the paper plate?
5. Evaluate the success of your strategy for isolating the cotton ball.
6. What were the lessons learned? What would you do different next time?
7. What factors would repository design engineers need to consider in a real repository?