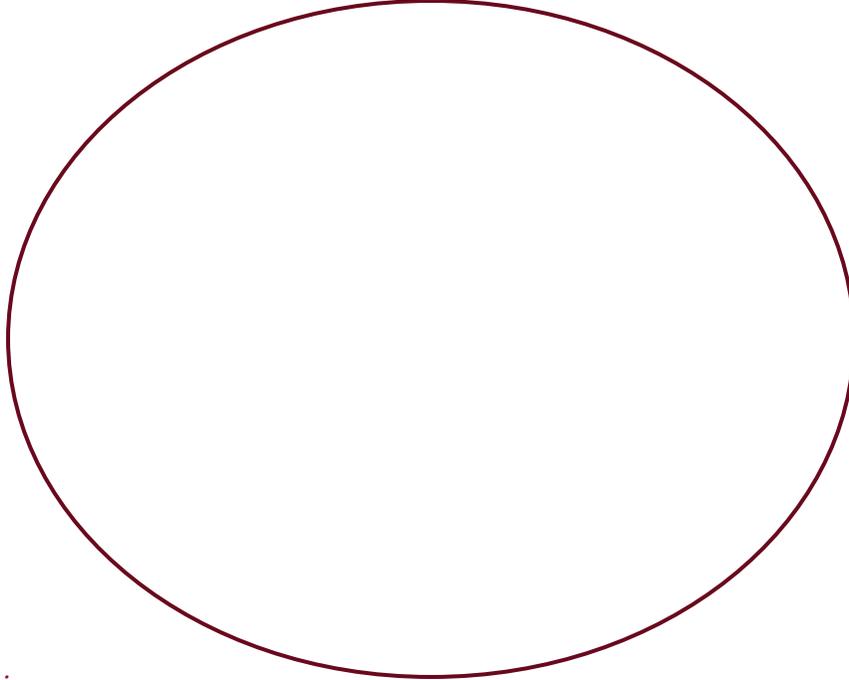


## DETERMINING THE EFFECTIVENESS OF HANDWASHING

**Directions:** Divide and label each section of the petri dish quadrants 1-4. Sketch what you see in each section after the 24-48 hour waiting period.



### *Analysis Questions*

1. Did you notice any bacterial growth? If so, in which quadrant(s)?
2. Where did you see the most growth? Least?
3. Which antibiotic appears to be the most effective at treating potential microorganisms in your environment? How were you able to tell?
4. Were any bacterial colonies that showed up in both the control and experimental groups?
5. What do you think increases the development of antibiotic-resistant bacteria and how could we potentially combat it?