

## Science Eight - Introduction to the Scientific Method

Name: \_\_\_\_\_

**Task:** With a partner or in a group of three, consider each of the following scenarios. For each situation, come up with a method you could use to potentially solve the presented problem.

**Time:** Each group will have 25 minutes to discuss their issues.

**Presentation:** Each group will be asked to explain their plan to solve one of the presented problems.

### Scenarios:

- A. Douglas decides to start a bean growing business. He wants to figure out if the amount of sunlight his plants are exposed to will affect growth.
  
- B. Stephanie heard a rumour that consuming pop will increase her heart rate. She wants to know if this is true or not.
  
- C. Angela wants to know which antibiotic medication (amoxicillin, penicillin, or erythromycin) will be more effective in reducing the growth of a bacteria colony.
  
- D. Rick is interested in determining if the salinity (amount of salt) of water affects its boiling point.
  
- E. Tammy has great difficulty concentrating in class. She purchases a fidget spinner from Home Hardware to help her. How can she determine if the spinner has improved her focus?