

# Chemistry Experimental Protocol

Name:

Date:



**Research Question:** How does the concentration of salt affect the boiling point of water?

**Materials:** 3 beakers (100 mL each), thermometer, hot plate, stirring rod

**Chemicals:** Table salt, distilled water

**Procedure:**

1. Fill each beaker with 80 mL of distilled water.
2. Label the beakers as A, B, and C.
3. Add 0 grams of salt to beaker A, 5 grams of salt to beaker B, and 10 grams of salt to beaker C.
4. Stir each solution until the salt is completely dissolved.
5. Place beaker A on the hot plate and heat until the water boils. Record the boiling point.
6. Repeat step 5 for beakers B and C.
7. Compare the boiling points of the three solutions.

**Draw the experimental setup and label it**

A large, empty rectangular box with a thin blue border, intended for the student to draw the experimental setup and label the components.

**Conduct the experiment and record your observations.**

A series of seven horizontal lines for recording observations.

**Conclusion: Explain the experimental result**

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