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

Conduct the experiment and record your observations.

Conclusion: Explain the experimental result