

HW4: Predicting Conductivity

Name: _____

Date: _____ Per: _____

Directions: For a solution containing each of the following compounds, predict whether or not it will conduct electricity. Support your answer with knowledge from first semester.

1. Plain Distilled Water
2. Sodium chloride, NaCl
3. Sugar
4. Copper (II) sulfate, Cu_2SO_4
5. Aluminum nitrate, $\text{Al}(\text{NO}_3)_3$
6. Ethanol, $\text{C}_2\text{H}_5\text{OH}$
7. Isopropyl Alcohol, $\text{C}_3\text{H}_7\text{OH}$
8. Calcium Chloride, CaCl_2
9. Sodium Acetate, $\text{NaC}_2\text{H}_3\text{O}_2$
10. Gatorade...yes, the sports drink