Name: _____

1. What are the objectives of this experiment? (5 pts.)

2. There are only two types of electric charge. Electrons carry a _____ charge,

   and protons carry a _____ charge. (5 pts.)

3. What is conservation of charge? (20 pts.)

4. Assuming both objects are initially neutral, use the concept of conservation of charge to explain what happens when an ebonite rod is rubbed with rabbit fur. (20 pts.)

5. Define the following: (10 pts. each)

   - conductor
   - insulator
   - conduction
   - induction
   - polarize