Solutions to Electrochemistry questions that might be on the Chemistry Midterm <u>in addition</u> to possible quiz questions from Chapters 8-13

 (8 points) Name 4 industrial applications/problems that involve electrochemistry (do not include combustion):
abatteries belectrolysis celectroplating_ dcorrosion
2. (4 points) Electrochemistry involves the conversion betweenatoms and theirions
3. (2 points) When we created hydrogen and oxygen from water, we were using the electrochemical process
4. (2 points) What happened when we placed an iron nail into a CuSO ₄ solution?
It became coated with a thin layer of copper.
5. (4 points) The rusting of iron requireswater/moisture and oxygen/air
6. (2 points) Batteries are made from electrodes made of different conducting materials surrounded by an
electrolyte .