

THE "OFFICIAL" CHEMISTRY 12 REDOX & ELECTROCHEMISTRY STUDY GUIDE

1. **DO ALL THE QUESTIONS** in this booklet. These are actual Provincial Exam questions! Your own provincial exam and unit test will include questions similar to the ones in this booklet!
2. **RESIST THE URGE TO LOOK AT THE ANSWER KEY** until you have given all the questions in the section your best effort. Don't do one question, then look at the key, then do another and look at the key, and so on. Each time you look at one answer in the study guide, your eye will notice other answers around them, and this will reduce the effectiveness of those questions in helping you to learn.
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5. **Check Off the STATUS box on the PRESCRIBED LEARNING OUTCOMES sheet.** I have tried to organize the questions in the identical sequence to which they appear on your Redox/Electrochemistry Prescribed Learning Outcome sheet. By doing this, you can be confident that you know everything you need to know for both the UNIT EXAM and PROVINCIAL EXAM!

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INTRODUCTION

1. **501** Which one of the following is the strongest reducing agent?

☒ A. I^- B. F^- C. Cl^- D. Br^-

2. **501** In the reaction below:



A. I_2 B. I^- C. H^+ ☒ D. ClO_3^-

3. **501** Which of the following is the **strongest** reducing agent?

A. cobalt
B. copper
☒ C. calcium
D. chromium

4. **501** An oxidizing agent is

A. reduced as it loses electrons.
☒ B. reduced as it gains electrons.
C. oxidized as it loses electrons.
D. oxidized as it gains electrons.

5. **501** Which of the following is the **strongest** oxidizing agent?

☒ A. Mn
B. Mn^{2+}
☒ C. acidified MnO_2
☒ D. acidified MnO_4^-

Redox Reaction Chem Study Guide Answers

M Woodhall



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