

# CHEM 322: Coordination Chemistry

## Topic: Introduction

Name: \_\_\_\_\_ Roll No. \_\_\_\_\_ Submission date: \_\_\_\_\_

### Introduction to Coordination Complexes

Browse the ACS journal *Inorganic Chemistry* for the week of your birthday in the past year.

*Inorganic Chemistry* volume and issue consulted: \_\_\_\_\_

Find a coordination complex that is featured in one of the articles published that week. Your complex needs to have at least one transition metal ion or atom.

Page number of the article: \_\_\_\_\_

Draw the complex below.

What is the coordination number of the metal ion(s)?

What is the oxidation state of the central metal ion (or atom)?

How many *d* electrons does the central metal ion have?

Attempt to name your complex.