

WORKSHEET
CHEMISTRY FOR ENGINEERING STUDENTS, LECTURE
 CHEMISTRY FOR ENGINEERING STUDENTS, LECTURE

ANALYSIS KEY

QUESTION 1. CLASSIFY THE COMPOUNDS OF TRANSITION METALS AND PREPARE THE

1. **Classification of metal complexes according to the type of ligands and the nature of the metal ion.**
 - (a) **write the chemical structural equation for the complex:**
 $[NiCl_2] \rightarrow [NiCl_2] \rightarrow [NiCl_2]$
 - (b) **classify the complex according to the type of ligands and the nature of the metal ion:**
 $[NiCl_2] \rightarrow [NiCl_2] \rightarrow [NiCl_2]$
 - (c) **write the chemical structural equation for the complex:**
 $[NiCl_2] \rightarrow [NiCl_2] \rightarrow [NiCl_2]$

2. **Write the chemical structural equation for the complex and classify the complex according to the type of ligands and the nature of the metal ion.**
 - (a) **write the chemical structural equation for the complex:**
 $[NiCl_2] \rightarrow [NiCl_2] \rightarrow [NiCl_2]$
 - (b) **classify the complex according to the type of ligands and the nature of the metal ion:**
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 - (c) **write the chemical structural equation for the complex:**
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Wolfgang Guggemos

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