

Worksheet: d- and f-Block Elements

Rajasthan State Board · Class 12 · Chemistry · 5 questions · 12 marks

Name: _____

Date: _____

Score: _____ / 12

Q1. Write the electronic configurations of Cr ($Z = 24$) and Cu ($Z = 29$). *[2 marks]*

Q2. Why are transition metal ions coloured? *[2 marks]*

Q3. Balance in acidic medium: $\text{Cr}_2\text{O}_7^{2-} + \text{Fe}^{2+} \rightarrow \text{Cr}^{3+} + \text{Fe}^{3+}$. *[3 marks]*

Q4. Why is Zn not considered a transition metal? *[2 marks]*

Q5. What is lanthanoid contraction and give two consequences. *[3 marks]*
