

NPTEL Inorganic chemistry of life – *Principles and perspectives*

Week 7 - Assignment 7

W7_01. What is phosphatase activity? What is the need for a bimetallic center in this? Explain?

W7_02. What is the substrate for ribonucleotide reductase & where does it bind?

W7_03. What is the role of di-thiol group in the enzyme ribonucleotide reductase

W7_04. The only organometallic co-enzyme (even any enzyme) is vitamin B₁₂. Explain!

W7_05. There are three ways by which one can visualize the Co-R bond in vitamin B₁₂? What are these three ways depend on?