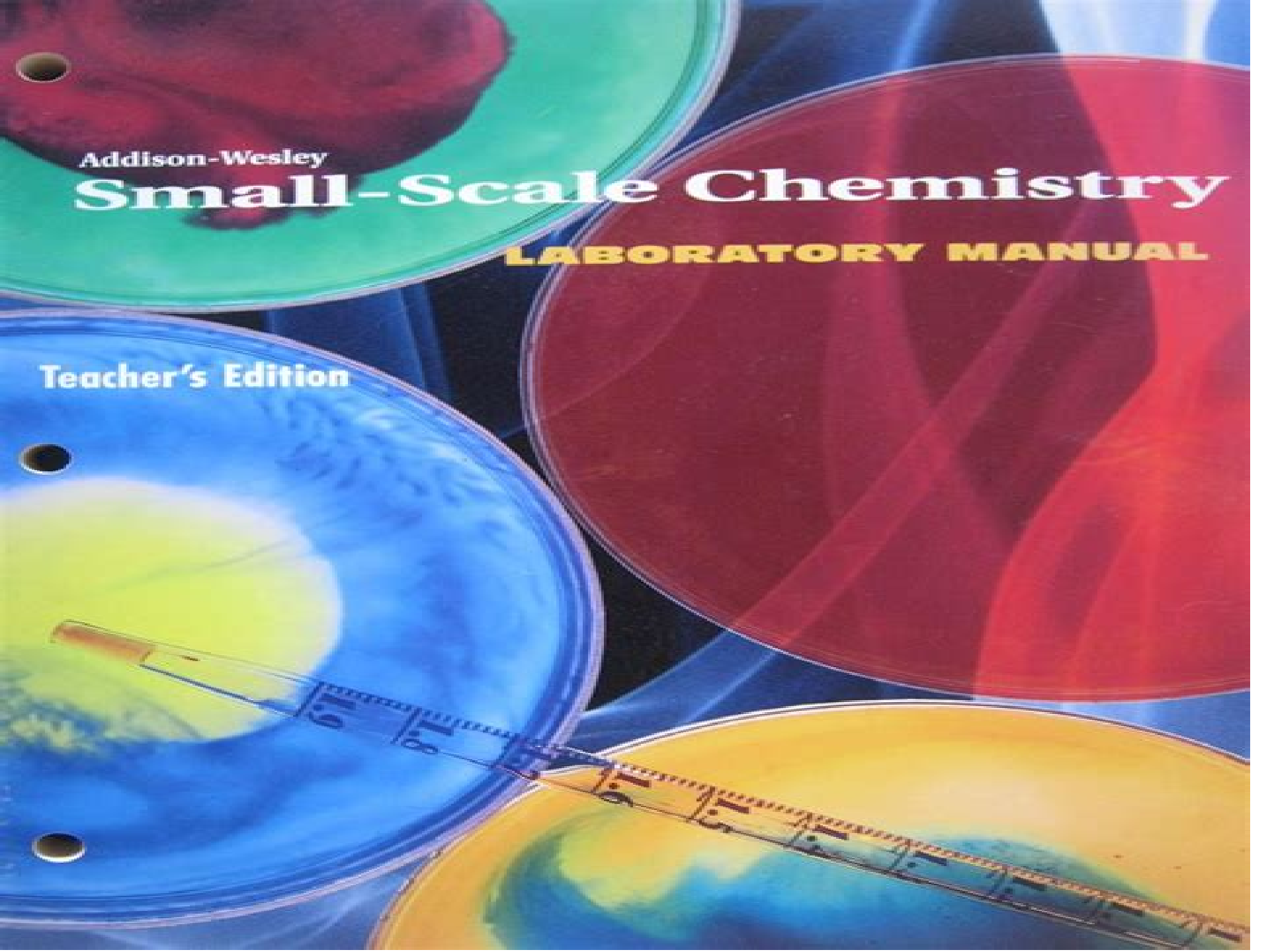




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Teacher's Edition

Small Scale Chemistry Laboratory Manual Answer

Stephen Thompson



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$$\text{MnO}_4^- + 4\text{H}^+ + 3\text{e}^- \rightarrow \text{Mn}^{2+} + 2\text{H}_2\text{O}$$

basic $\text{MnO}_4^- + 2\text{H}_2\text{O} + 3\text{e}^- \rightarrow \text{MnO}_2 + 4\text{OH}^-$ acidic $\text{MnO}_4^- + 4\text{H}^+ + 3\text{e}^- \rightarrow \text{Mn}^{2+} + 2\text{H}_2\text{O}$

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