

# NS2103: Chemistry in Drug Design

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1.

Alberts, B. Molecular biology of the cell (Sixth edition). (Garland Science, Taylor and Francis Group, 2015).

2.

Atkins, P. W. & De Paula, J. Atkins' physical chemistry. (Oxford University Press, 2014).

3.

Burrows, Andrew. Chemistry3: introducing inorganic, organic and physical chemistry. (Oxford University Press, 2009).

4.

Brown, Theodore L. Chemistry: the central science. (Prentice Hall, 2012).

5.

Zumdahl, Steven S. Chemical principles. (Brooks/Cole, 2009).

6.

Averill, Bruce & Eldredge, Patricia. Chemistry: principles, patterns, and applications. (Pearson Benjamin Cummings, 2007).

7.

Housecroft, Catherine E. & Constable, Edwin C. Chemistry: an introduction to organic, inorganic and physical chemistry. (Prentice Hall, 2010).

8.

Clayden, Jonathan, Greeves, Nick, & Warren, Stuart G. Organic chemistry. (Oxford University Press, 2012).

9.

McMurry, John. Organic chemistry. (Thomson-Brooks/Cole, 2011).

10.

Carey, Francis A. & Giuliano, Robert M. Organic chemistry. (McGraw-Hill Higher Education, 2011).

11.

Winter, Mark J. d-block chemistry. vol. Oxford chemistry primers (Oxford University Press, 1994).

12.

Berg, Jeremy M., Tymoczko, John L., & Stryer, Lubert. Biochemistry. (W. H. Freeman, 2011).

13.

Nelson, David L., Cox, Michael M., & Lehninger, Albert L. Lehninger principles of biochemistry. (W.H. Freeman, 2013).

14.

Murray, Robert K. & Harper, Harold A. Harper's illustrated biochemistry. (McGraw-Hill Medical, 2009).

15.

Patrick, Graham L. An introduction to medicinal chemistry. (Oxford University Press, 2013).

16.

Reece, Jane B. & Campbell, Neil A. Biology. (Pearson Education, 2011).

17.

Brooker, Robert J. Biology. (McGraw-Hill Higher Education, 2010).

18.

Raven, Peter H., Johnson, George B., Mason, Kenneth A., Losos, Jonathan B., & Singer, Susan R. Biology. (McGraw-Hill, 2014).

19.

The Mechanism of Cisplatin.

20.

Atkins, P. W. & Shriver, D. F. Shriver and Atkins' inorganic chemistry. (Oxford University Press, 2010).

21.

Anastas, P. T. & Kirchhoff, M. M. Origins, Current Status, and Future Challenges of Green Chemistry. *Accounts of Chemical Research* **35**, 686–694 (2002).

22.

Kirchhoff, M. M. Promoting sustainability through green chemistry. *Resources, Conservation and Recycling* **44**, 237–243 (2005).

23.

Poliakoff, Martyn. Green Chemistry: Science and Politics of Change. *Science* **297**, 807–810 (2002).

24.

Fiorino, T. Industry, Clinical Trials, and the Cost of Cancer Drugs: An Investor's Perspective.

25.

Mestres, R. A brief structured view of green chemistry issues. *Green Chemistry* **6**, (2004).

26.

Clark, J. H. Green chemistry: today (and tomorrow). *Green Chemistry* **8**, (2006).

27.

Greenwood, N. N. & Earnshaw, Alan (Alan). *Chemistry of the elements*. (Butterworth-Heinemann, 1997).

28.

Cotton, F. Albert & Cotton, F. Albert. *Advanced inorganic chemistry*. (Wiley, 1999).

29.

Anderson, Neal G. *Practical process research and development*. (Academic Press, 2000).

30.

Heaton, C. A. *An introduction to industrial chemistry*. (Blackie, 1996).

31.

Williams, Dudley H & Fleming, Ian. Spectroscopic methods in organic chemistry. (McGraw-Hill Higher Education, 2008).

32.

Kent, James Albert & Riegel, Emil Raymond. Kent and Riegel's handbook of industrial chemistry and biotechnology. (Springer, 2007).

33.

Lab Technique. <http://orgchem.colorado.edu/Technique/Technique.html>.

34.

The Basics of NMR. <http://www.cis.rit.edu/htbooks/nmr/inside.htm>.

35.

Simulation of Analytical Nuclear Magnetic Resonance (NMR) Principles. <http://vam.anest.ufl.edu/forensic/nmr.html>.

36.

SpectraSchool – Enhancing the teaching and learning of spectroscopy and spectrometric methods. <http://www.rsc.org/learn-chemistry/collections/spectroscopy>.

37.

EPO - Espacenet. <http://www.epo.org/searching/free/espacenet.html?hp=stages>.