

American Society of Health-System Pharmacists. *Intro to Pharmacokinetics and Pharmacodynamics* . 18 pp.

<https://www.ashp.org/-/media/store%20files/p2418-sample-chapter-1.pdf> . Accessed 28 March 2023.

This is the introductory Lesson 1 in an online set of materials to introduce Pharmacokinetics and Pharmacodynamics.

Here is what it says about itself,

“OBJECTIVES After completing Lesson 1, you should be able to:

1. Define and differentiate between pharmacokinetics and clinical pharmacokinetics.
2. Define pharmacodynamics and relate it to pharmacokinetics.
3. Describe the concept of the therapeutic concentration range.
4. Identify factors that cause interpatient variability in drug disposition and drug response.
5. Describe situations in which routine clinical pharmacokinetic monitoring would be advantageous.
6. List the assumptions made about drug distribution patterns in both one- and two-compartment models.
7. Represent graphically the typical natural log of plasma drug concentration versus time curve for a one-compartment model after an intravenous dose.
8. The work is narrative with terms defined, great graphics, charts and plots, parameters, no differential equations per se, and lots of review questions. This is great vocabulary building for writing in this area.

Keywords: pharmacokinetics, pharmacodynamics, model, drug, compartment, plasma, bloodstream, absorption