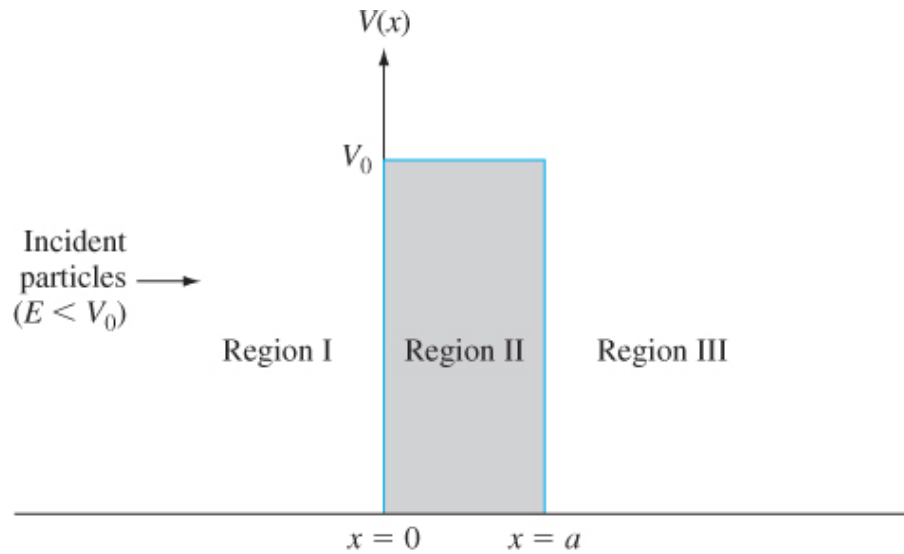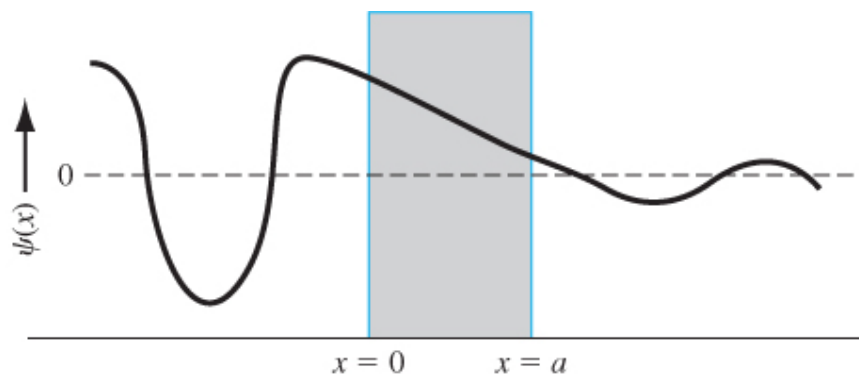From *Semiconductor Physics and Devices: Basic Principles* (4th Edition), Donald A. Neamen, McGraw Hill, 2012, ISBN 978-0-07-352958-5.

Figure 2.9 | The potential barrier function.

Figure 2.10 | The wave functions through the potential barrier.

- Unlike classical mechanics, there is a non-zero probability or finite probability that the particle will be in Regions II and III.

- The particle getting through the potential barrier is called *tunneling*.