

HW #6
(due 04/04)

Physics 406

Reading

(i) Omar (O) Chapter 6 pp 253 - 313.

(ii) Handout 6: "The Incredible Shrinking Circuit", C.M. Lieber, Scientific American (2001); please find this reading on the course website (<http://www.physics.rutgers.edu/ugrad/406/physics406.html>).

Problems:

1-2. Omar Qs 1, 4 (Ch. 6)

3-7. Omar Ps 2, 5, 6, 8, 11 (Ch. 6)

18. Please describe, based on your reading of Handout 6, recent developments in the area of nanowires and nanoelectronics. Please use a minimum of four sentences in your response.