

Stephan Campbell
Textbook

VLSI Fabrication – Fall 2012

1-Introduction:

Chapter 1 :All

2- Substrates & Crystals (Chapter 2)

Crystal Growth (CZ: p21-27)

No Equations

Fig. 2.12-2.17

3- Diffusion (Chapter 3)

p.39-41, p. 45-47 (upper half)

Fig. 3.1, 3.2,3.3, 3.5,3.6,3.7, 3.8

Equations 3.1-3.6, 3.11

Equations 3.12-3.20

Table 3.2 (Do, Ea ONLY)

4- Oxidation (Chapter 4)

p. 68 - 72

Eqns. 4.1 – 4.14

Figures 4.1 – 4.3, Table 4.1

5- Ion Implananation (Chapter 5):

p. 98-106

Eqn. 5.1-5.3, 5.6,5.12, 5.18

Figures: 5.1, 5.3, 5.5-5.9