

Chapter 12 Review Problems

p. 304 Vocabulary # 1-22 You do not need to write entire sentence.

p. 305-306 Problems # 1-3

Do 12.2 Review P. 290 # 1, 2, 3, 6, 7, 8

Do 12.4 Review P. 303 # 1, 5, 6, 11, 12

Vocab # 1-22 P. 304

- | | |
|--------------------|--------------------------|
| 1) mass number | 12) metals |
| 2) electric charge | 13) nonmetals |
| 3) electron | 14) atomic mass unit |
| 4) neutron | 15) atomic mass |
| 5) proton | 16) alkali metals |
| 6) atomic number | 17) halogens |
| 7) isotopes | 18) noble gases |
| 8) energy level | 19) periodicity |
| 9) spectrum | 20) electrical conductor |
| 10) spectrometer | 21) thermal conductor |
| 11) periodic table | 22) insulator |

Problems # 1-3 P. 305-306

- 1) Atom A = chlorine, 17, 35 3) Atom D
 Atom B = calcium, 20, 40
 Atom C = copper, 29, 63
 Atom D = bromine, 35, 80

- 2) a. 15 b. 7 c. 7

12.2 Review P.290 # 1,2,3,6,7,8

- 1) C
- 2) Lithium is in middle diagram for spectral lines
- 3) a
- 6) B
- 7) C
- 8) a

12.4 Review P.303 # 1,5,6,11,12

- 1) Bromine & Mercury
- 5) any of the metals
- 6) a
- 11) a
- 12) C