

Revised August 2011

HONORS WORKSHEET 2s: ANSWERS

1. Crookes → Cathode Ray, Millikan → Oil Drop, Rutherford → Gold Foil
2.
 - (a) Yes, same protons (same elements) but different mass (different neutrons)
 - (b) No, different protons (different elements)
3.
 - (a) $P = 79$, $N = 92$, $E = 79$
 - (b) $P = 79$, $N = 103$, $E = 79$
 - (c) $P = 35$, $N = 44$, $E = 36$
4. 79.98, 51.1% and 48.9%