

Chemistry Ch. 1 part 2 Test Overview practice (in class – not a grade)

How many sig.figs. are in the following numbers?

- 1) 3060
- 2) -110.07
- 3) 0.00409
- 4) 0.0040
- 5) 5750.

Round the following numbers to two sig.figs.:

- 6) 3060
- 7) -110.07
- 8) 0.00409
- 9) 0.0040
- 10) 5750.

Metric conversions:

- 11) 123.4 g = _____ kg
- 12) 0.488 damol = _____ mmol
- 13) 56.0 cm = _____ m

Density: (show all work and units; check sig.figs)

- 14) How much space would an object take up if its mass is 350.00 g and its density is 7.66 g/cm³?

D.A.: (show all work and units; check sig.figs)

- 15) How many seconds old are you at the exact moment you turn 16?
- 16) Convert 8.20×10^{24} atoms Na to mol Na.
- 17) Convert 0.127 moles of C to grams of C.
- 18) Convert 12 mol CO₂ to L CO₂ at STP.