AP WORKSHEET 03G: ANSWERS

1. 0.375 L
2. 0.583 L
3. 0.0178 L
4. 0.375 L
5. 0.0410 L
6. Moles of acid required in final solution = (1.0 L) (1.84 mol/L) = 1.84 moles.
   1.84 moles come from 0.100 L of the 18.4 M acid.
   Add approx. 750 mL of distilled water to a 1.0 L volumetric flask.
   Using a buret (or volumetric pipet), carefully and slowly add 100. mL of 18.4 M acid to the water in the volumetric flask. Swirl the flask gently. Ensure good mixing, and then carefully make up to the mark with distilled water.