

Please write solutions neatly on a separate sheet of paper. Show all of your work and report answers with the correct significant figures and units.

1. Steinfeld 2.2 – high pressure means high concentration of reactants (A and C).
2. Steinfeld 2.5 (a) and (b)
3. Steinfeld 2.8 (a)-(c) – for (a) determine an expression for  $d[\text{NO}_2]/dt$
4. Houston 1.11
5. Houston 1.14