

AP WORKSHEET 04ABCDEFAP: AP FRQ's for UNIT 04ABCDEF

Topic	Free Response Questions	Points
04A	2008B, 3 (a)	1
04B	2014, 1 (a)(i), (a)(ii) 2015, 3 (a) 2016, 2 (f) 2018, 1 (g) 2019, 3 (a)	1, 1 1 1 1 1
04C	2019, 3 (b)	1
04D	2010, 5 (d)	1
04E	2014, 2 (d) (Reacting ratio of NaOH to propanoic acid is 1:1) 2016, 2 (b) 2016, 3 (a), (b) 2015, 3 (b) 2016, 7 (b) 2017, 1 (a)(ii) (Requires answer to (a)(i) which is 0.31 mols of Cl ₂) 2018, 1 (b), (c) 2018, 2 (e)(i) 2018, 3 (e), (g) 2019, 3 (c) 2019, 7 (c)	1 2 1, 2 2 1 2 2, 1 1 2, 1 1 1
04F	2015, 3 (b) 2016, 7 (a), (c) 2018, 3 (e), (f) 2019, 7 (b), (d)	2 1, 2 2, 1 1, 1