

01. 0620_s15_ms_61 Q: 1

(a)(i)	flask;	1	
(a)(ii)	top arrow water and bottom arrow water;	1	
(b)(i)	to prevent fire /ref. to safety/ controlled heating; ethanol is flammable;	2	! dangerous
(b)(ii)	to prevent evaporation /loss of reactants or ethanol;	1	
(c)	<i>ethanol</i> : sweet /nail varnish remover /alcohol /spirit; <i>ethanoic acid</i> : vinegar /sour /acid /sharp /pungent;	2	! strong /pleasant

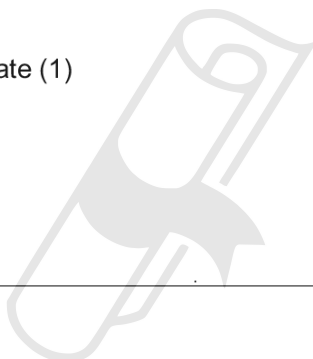
02. 0620_w12_ms_62 Q: 6

- (a) test (1) e.g. add named indicator/marble chip/magnesium
 result (1) e.g. ethanoic acid changes colour of indicator/ethanoic acid effervesces [2]
allow: lighted splint (1) ethanol burns (1)

- (b) any 6 from:
 weigh coal/equal masses/equal amounts (1)
 crush (1)
 heat (1)
 in a fume cupboard (1)
 pass through potassium manganate (1)
 time to colourless (1)
 repeat with other coal (1)
 compare/conclusion (1)

[6]

[Total: 60]



Ace | GCSE
 Paper Perfection, Crafted With Passion