

01. 0620_s12_ms_61 Q: 6

steel nail(s) in test-tube/suitable glass container (1)
 x cm³ (1)
 water (1) no water = max 3
 known volume of inhibitor added (1)
 observe effect after suitable time (1) note: minimum time = 1 day
 repeat using other inhibitors (1)
 observe/comparison of results (1)

[7]

[Total: 7]

02. 0620_s16_ms_63 Q: 1

(a)	(gas) syringe;	1
(b)	arrow under copper;	1
(c)	orange/red/brown/pink; to black;	1 1
(d)	volume of oxygen = 10 cm ³ ; % oxygen = 10/50 × 100 = 20%;	1 1

03. 0620_s19_ms_61 Q: 4

	any six from: <input type="checkbox"/> weigh nails / use set number of nails <input type="checkbox"/> place nails in a suitable container <input type="checkbox"/> add water to nails <input type="checkbox"/> leave in water for a suitable time (≥ 1 week) <input type="checkbox"/> observe nails / compare / reweigh nails <input type="checkbox"/> repeat with nail with other coverings <input type="checkbox"/> nail with least rust / mass increase has best coating	Max 6
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04. 0620_w17_ms_62 Q: 4

	<i>max [6]:</i> M1 weigh specified number of nail(s) / specified number of nails M2 immerse in same volume M3 samples of tap water and distilled water (in two test-tubes) M4 for suitable time M5 dry (in oven) M6 reweigh nails M7 compare / conclusion	6
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