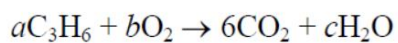


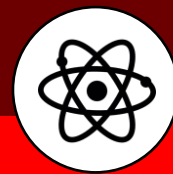
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# 2003

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- 3 What values of  $a$ ,  $b$  and  $c$  are needed to balance the equation?



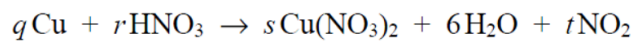


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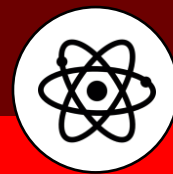
# 2004

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- 3 The equation summarises the reaction of copper and dilute nitric acid.



What values of  $q$ ,  $r$ ,  $s$  and  $t$  are needed to balance the equation?

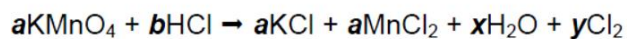


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# 2008

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- 6 Look at the equation for making chlorine gas and decide which answer will provide you with the numbers to balance it



- A  $a = 1, b = 8, x = 4, y = 3$
- B  $a = 1, b = 8, x = 4, y = 4$
- C  $a = 1, b = 4, x = 2, y = 1$
- D  $a = 2, b = 16, x = 4, y = 6$
- E  $a = 2, b = 16, x = 8, y = 5$