Marks

6

•	Comple	e the	following	table.
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STARTING MATERIAL	ARTING MATERIAL REAGENTS/ CONDITIONS	
	HCl / CCl ₄ solvent	Cl
ОН	CH₃COCl	
CH ₃ CH ₂ CHCH ₂ CH ₃ Br	N(CH ₃) ₃	CH ₃ CH ₂ CHCH ₂ CH ₃ Br N(CH ₃) ₃
НО Н	$\operatorname{Cr_2O_7}^{2\Theta}/\operatorname{H}^{\oplus}$	СООН
3 M NaOH / heat		HO CO_2^{Θ}
О	catalytic H [⊕]	ОН

2010-J-9

• Give the constitutional formula(s) of the major organic products formed in each of the following reactions:

1

$$Br$$
 $N(CH_3)_3$ Br