



ACIDS, BASES, SALTS

1) Give the typical classification of each of these substances.

	Strong acid	Weak acid	Salt	Weak base	Strong base
potassium sulfate					
ammonia					
ammonium nitrate					
barium hydroxide					
methanoic acid					
hydrochloric acid					
sodium propanoate					

2) When each of the following substances are mixed, typically what reaction (if any) will occur. Write an equation for any reaction(s) that occur.

a) propanoic acid + sodium hydroxide

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b) nitric acid + potassium nitrate

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c) sodium hydroxide + sodium ethanoate

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d) ethanoic acid + sodium ethanoate

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e) sulfuric acid + ammonia

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f) ammonia + sodium ethanoate

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g) methylamine + sodium hydroxide

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