

1. David and Caroline reacted some alkali by adding it to an acid.

a) What is the name of the type of reaction where acid reacts with an alkali?

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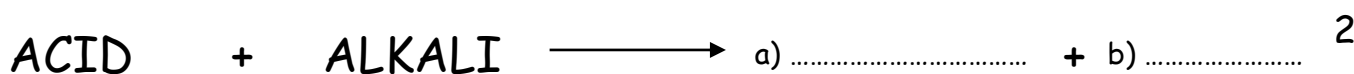
b) During this reaction, what happens to the pH of an acid when alkali is added to it?

The pH of the acid..... 1

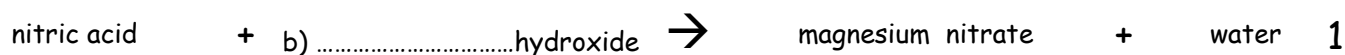
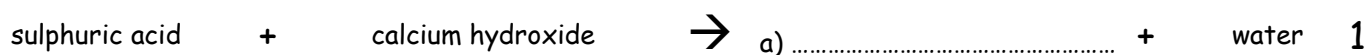
c) Caroline suggested reversing the experiment and adding acid to alkali. What happens to the pH of an alkali when acid is added to it?

The pH of the alkali 1

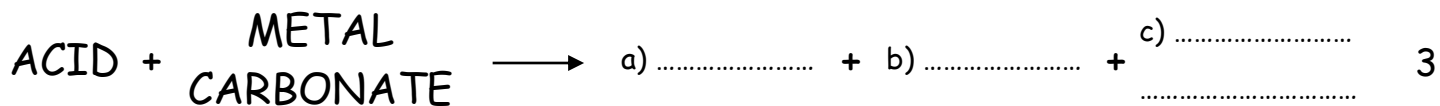
2. Complete the following *summary equation*.



3. Complete the following word equations



4. Complete the following *summary equation*.



5. Explain why neutralisation is a type of chemical reaction.

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6. Complete the following word equations

sulphuric acid	+	cobalt carbonate	\longrightarrow	a)	+	water	+	carbon dioxide
b)acid	+	lead carbonate	\longrightarrow	lead nitrate	+	water	+	carbon dioxide
hydrochloric acid	+	c)carbonate	\longrightarrow	iron chloride	+	water	+	carbon dioxide

3

total

15