

| Question | Answer |
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| What is an element? | A substance made from only one type of atom |
| What is a compound? | A substance made from two or more different types of atom, chemically combined |
| What is the name of the compound made from sodium and chlorine? | Sodium chloride |
| What is the name of the compound made from sodium, chlorine and oxygen? | Sodium chlorate |
| What always happens during a chemical reaction? | Atoms are rearranged to make a new substance |
| Give three signs of a chemical reaction | Colour change, change in temperature, bubbles, a precipitate |
| What does the pH scale measure? | How acidic or alkaline a solution is |
| Which values does the pH scale go between | 0-14 |
| What kind of solution has a pH of 7? | A neutral solution |
| What kind of solution has a pH less than 7? | An acidic solution |
| What does a chemical indicator do? | Tells us about the pH of a solution |
| What is a neutralisation reaction? | When an acid reacts with a base to form a neutral solution |
| Complete the equation: Acid + Base → | Salt + Water |
| Give three characteristic properties of metals | Shiny, high melting point, good conductor |
| Which side of the periodic table can you find the metals? | On the left |
| Give two properties of metal oxides | Solid at room temperature, basic |
| Give two properties of non-metal oxides | Gas at room temperature, acidic |
| Complete the equation: Metal + acid → | Salt + Hydrogen |
| What is the name of the test for hydrogen gas? | The squeaky pop |
| Complete the equation: Metal + Oxygen → | Metal Oxide |
| Complete the equation: Metal + Water → | Metal hydroxide + hydrogen |
| Why is copper a good metal to use for water pipes? | Because it is very unreactive |
| What is a displacement reaction? | When a more reactive metal displaces a less reactive one from its compound |