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Year 9 energy and matter

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| **Across**  **3.** A reaction the takes in heat from the surroundings  **5.** Hydrocarbon + oxygen --> carbon dioxide + \_\_\_\_\_\_\_\_  **10.** How many atoms are in C2H6  **11.** Particles in a reaction rearrange, this is the "conservation of \_\_\_\_\_ theory"  **12.** Combustion always has this gas as a reactant  **13.** An Exothermic reaction gives out energy to its ...  **14.** These go into a reaction  **16.** These are made in a reaction | **Down**  **1.** In an endothermic reaction the temperature would go \_\_\_\_  **2.** The equipment you use to find if a reaction is endo/exo thermic  **4.** carbon dioxide is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gas  **6.** Sulphur dioxides and nitrogen oxides cause \_\_\_\_\_\_/\_\_\_\_\_  **7.** What is the posh word for burning  **8.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ combustion happens when there is plentiful oxygen  **9.** Incomplete combustion happens when there is limited \_\_\_\_\_\_\_\_\_  **15.** How many elements are in C2H6 |