|  |  |
| --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Year 9 energy and matter

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |  |  |  |  |  |
|  |  | 5 |  |  |  |  |  |  | 6 |  | 7 |  |  |  |  |  |  | 8 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 10 |  |  |  |  |  | 11 |  |  |  |  |  | 12 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 14 |  |  |  | 15 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 16 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **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 |