**Additional questions on classifying reactions as endothermic or exothermic.**

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| **Reactions** | **endothermic**  **or exothermic reaction** |
| **a lit firework** |  |
| petrol evaporating |  |
| an illuminous glowstick |  |
| cooking an egg |  |
| **nuclear fission** |  |
| Thermite reaction used to repair railway tracks  Al + Fe2O3 🡪 Al2O3 + Fe |  |
| ice melting |  |
| magnesium ribbon burning in air |  |
| alcohol evaporating |  |
| C(*s*) + O2(*g*) 🡪 CO2(*g*) Δr*H* = –393 kJ mol–1 |  |
| sulfuric acid + water, resulting in a temperature rise of 22 °C |  |
| salt crystals forming from a salt solution |  |
| iodine resubliming (from a gas to solid state) |  |
| a bonfire burning |  |
| methane gas burning in a bunsen burner |  |
| water added to fertiliser resulting in a temperature decrease |  |

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