**ANSWERS: Additional questions on classifying reactions as endothermic or exothermic**

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

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