11. Which of the following equations **best** represents the self-ionisation of water according to the Brønsted-Lowry model?

```
H_2O(\ell)
                                              H⁺(aq)
                                                                             OH-(aq)
(a)
                                                                     +
                                   \rightleftharpoons
(b)
            H_2^{2}O(\ell)
                                   \rightleftharpoons
                                              H<sub>3</sub>O⁺(aq)
                                                                     +
                                                                             OH-(aq)
            2 H<sub>2</sub>O(l)
2 H<sub>2</sub>O(l)
                                              H_3^{0+}(aq) + 2 OH^{-}(aq) + OH^{-}(aq)
(c)
                                   \rightleftharpoons
(d)
                                   \rightleftharpoons
```