

- 7 When 1.0 mol of ethanoic acid, CH_3COOH , in aqueous solution is neutralised by an excess of aqueous sodium hydroxide, 55 kJ mol^{-1} of energy is released.

Which statement about this reaction is correct?

- A The reaction is exothermic because only bond breaking takes place.
- B The reaction is exothermic because only bond forming takes place.
- C The reaction is exothermic because more energy is given out in breaking bonds than is taken in to form bonds.
- D The reaction is exothermic because more energy is given out in forming bonds than is taken in to break bonds.