

(Reaction profiles)

Q1.a)(2018)

D

Q1.b)(2018)

C

Q2.a) (2019)

B

Q2.b) (2019)

A

Q2.c) (2019)

exothermic

Q3.(2020)

W = energy

X = activation energy

Y = overall energy change

Z = progress of reaction

Q4. (2021)

(A) progress of reaction

(B) activation energy

(C) products