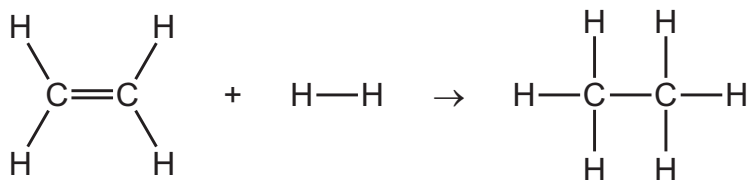


17 Ethene reacts with hydrogen to form ethane.



The bond energies are shown in the table.

bond	bond energy in kJ/mol
C-C	+350
C-H	+410
H-H	+436
C=C	+614

What is the enthalpy change for the reaction?

- A -290 kJ/mol
- B -120 kJ/mol
- C +120 kJ/mol
- D +290 kJ/mol