

5 A data book contains the following information for ethanol.

latent heat of fusion = 109 kJ kg^{-1}

latent heat of vaporisation = 838 kJ kg^{-1}

545 J is transferred from a sample of ethanol when it condenses.

Which of the following shows how to calculate the mass of ethanol that condenses?

☐ A $545 \div 109\,000$

☐ B $545 \div 838\,000$

☐ C $109\,000 \div 545$

☐ D $838\,000 \div 545$

(Total for Question 5 = 1 mark)