

- 7 A power station provides an electrical output power of 2.1 GW. The power station transfers thermal energy to the surroundings at a rate of 3.4 GW.

Which of the following gives the efficiency of the power station?

☐ **A** $\frac{2.1}{3.4 + 2.1}$

☐ **B** $\frac{3.4}{3.4 + 2.1}$

☐ **C** $\frac{3.4 - 2.1}{2.1}$

☐ **D** $\frac{3.4 - 2.1}{3.4}$

(Total for Question 7 = 1 mark)