

- 5** A capacitor of capacitance C is charged to a potential difference V by a power supply. The energy stored on the charged capacitor is W .

What would be the energy stored if the potential difference were $2V$?

- ☐ **A** $\frac{W}{4}$
- ☐ **B** $\frac{W}{2}$
- ☐ **C** $2W$
- ☐ **D** $4W$

(Total for Question 5 = 1 mark)