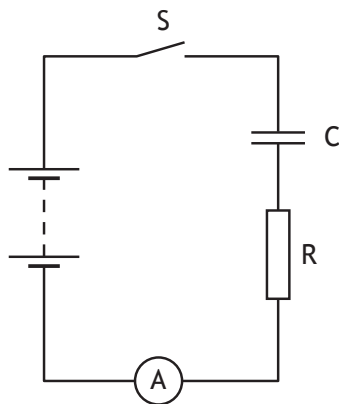


25. A circuit is set up as shown.



Capacitor C is initially uncharged.

Switch S is closed and the time taken for the capacitor to fully charge is recorded.

The switch is now opened and the capacitor is discharged.

Resistor R is replaced by a resistor of greater resistance.

The switch is again closed and the capacitor charges.

Which row in the table shows the effect of this change, if any, on the time taken to fully charge the capacitor and the maximum energy stored in the capacitor?

	Time taken to fully charge the capacitor	Maximum energy stored in the capacitor
A	increases	increases
B	decreases	decreases
C	decreases	stays the same
D	increases	stays the same
E	stays the same	decreases