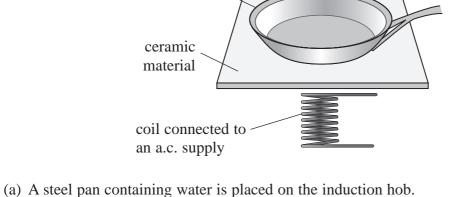
11 An induction hob consists of a coil beneath a sheet of ceramic material. The coil is connected to an alternating current (a.c.) supply as shown. pan ceramic material



Explain why the pan becomes hot when the supply is switched on.

Explain why this is an advantage in this case.

(b) The a.c. supply to the coil in an induction hob has a much higher frequency than normal mains frequency.

(2)

(4)