

VIDYA BHAWAN BALIKA VIDYAPEETH

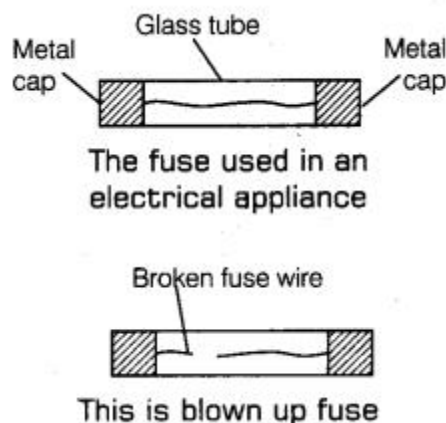
STUDY MATERIAL SCIENCE CLASS-VII

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▶ Heating & Magnetic effect of Electric current

So, due to this, if the current in the electric wiring suddenly increases too much, then the fuse wire gets heated, then it melts and breaks the circuit which means that the current flowing in the household circuit will stop. This prevents fire in the house and also the damage of various electrical appliances like refrigerator, fans, tube lights, TV, etc. When a fuse gets blown (breaks), a new fuse has to be fitted in its place in order to restore the electricity supply in the household circuit.



Note: We should not use a thick wire as a fuse wire because it will have low resistance and thus it will not get heated to its melting point ' when a large current passes through it.