

Name: _____ Date: _____

Combustion and Flame

Q1. Make a labelled diagram of a candle flame.

Ans.

Q2. How do matchsticks work?

Ans.

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Ans.

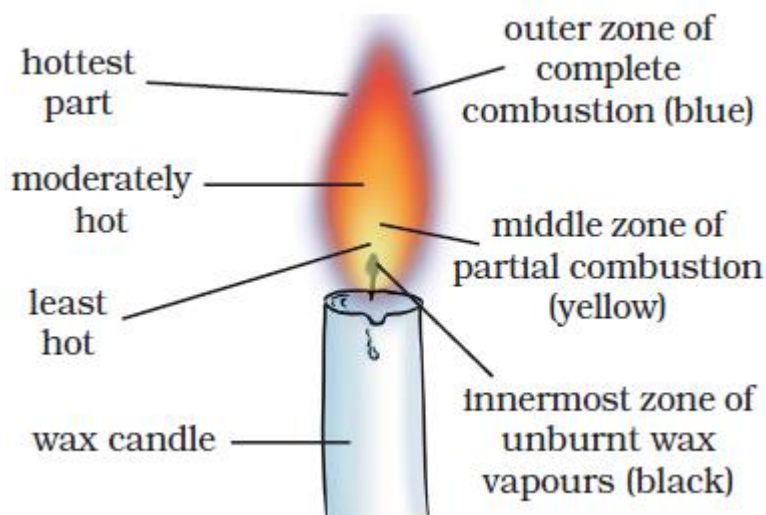


Image from NCERT

Q2. How do matchsticks work?

Ans. These days the head of the safety match contains only antimony trisulphide and potassium chlorate. The rubbing surface has powdered glass and a little red phosphorus (which is much less dangerous). When the match is struck against the rubbing surface, some red phosphorus gets converted into white phosphorus. This immediately reacts with potassium chlorate in the matchstick head to produce enough heat to ignite antimony trisulphide and start the combustion.