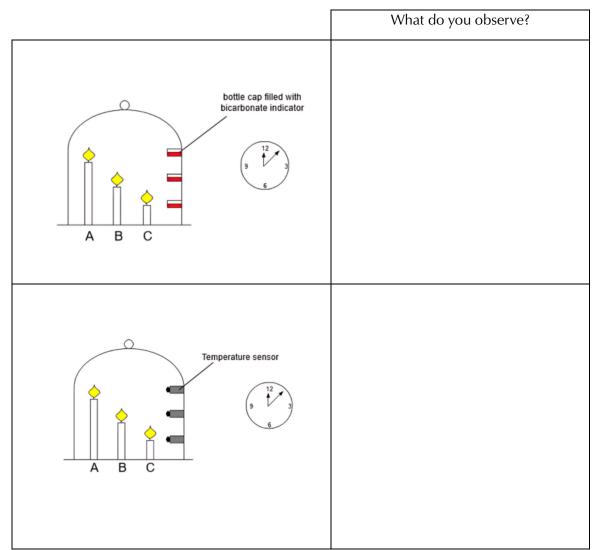


## A twist on the candle mystery Activity 2 Worksheet: Explaining the candle mystery

- 1. Watch the demonstrations carefully.
- 2. Complete the table below. Record all observations, including the order in which the candles go out and any other observations.



Images courtesy of the author



1. Work in groups and propose an explanation for what you observed. You can use the evidence cards below and the cartoon about escaping from a fire to help propose your explanation.

1 Burning requires fuel	2 Burning requires oxygen	<b>3</b> Burning requires carbon dioxide	4 Air does not have fixed shape
5 Air can flow	6 Burning produces water	7 Hot air rises	8 Cold air sinks

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How to escape from an indoor fire when there is a lot of smoke Image: Lena London/supercoloring, CC BY-SA 4.0

We think evidence card(s) \_\_\_\_\_\_ is/are useful.

Our explanations for the candle mystery: