

## A twist on the candle mystery

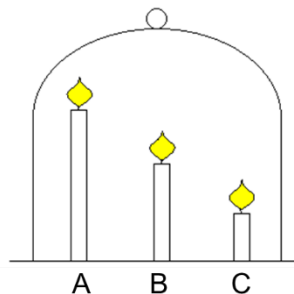
# Activity 1 Worksheet:

## The candle mystery

### Task 1: Individual reflection

#### Scenario:

Three candles of different lengths are lit and covered with a bell jar, as shown below.



*Image courtesy of the author*

Complete the table below.

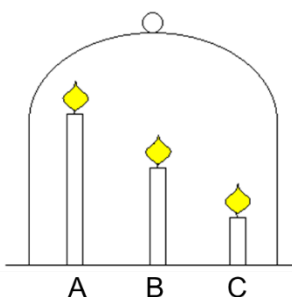
**Which candle will go out first? Will the three candles go out at similar times?**

Your prediction	Your initial explanation for your prediction

## Task 2: Group discussion

### Scenario:

Three candles of different lengths are lit and covered with a bell jar, as shown below.



*Image courtesy of the author*

Share your predictions and proposed explanations with your classmates. Come to a *consensus* on your group's predictions and explanations.

### Which candle will go out first? Will the three candles burn out at similar times?

Guiding questions:

- Why do you think the tallest or shortest candle goes out first?/Why do you think the candles go out at similar times?
- After listening to your classmates' ideas, would you change your prediction?
- How would you convince others that your prediction is correct?

Your group's prediction	Your group's explanation