

Fight fire! Fill up with foam: investigation support

Plan

We have chosen to add the reagents in this order:

First: _____

Second: _____

Last: _____

We chose this order because _____

Remember: keep this order the same in each reaction to make it a fair test.

Method

1. To avoid skin and eye contact with the reagents, I will _____

2. Measure _____ of _____ using a _____ and place it in the reaction container (one litre plastic measuring cylinder or one litre drinks bottle with the top cut off).
3. Measure _____ of _____ using a _____ and add it to the contents of the reaction container.
4. Finally, measure _____ of _____ using a _____ and add it to the contents of the reaction container.
5. Watch as the foam rises. Record the amount of foam produced by _____

6. Empty the contents of the reaction container into the disposal bucket and rinse the container thoroughly with water.

7. Repeat the experiment but change _____

Results

Experiment	Extra reagent added (name and amount with unit)	Volume of foam produced (unit _____)
1		
2		
3		

Conclusion

The combination of reagents that produced the largest amount of foam was _____

My results show this because _____

