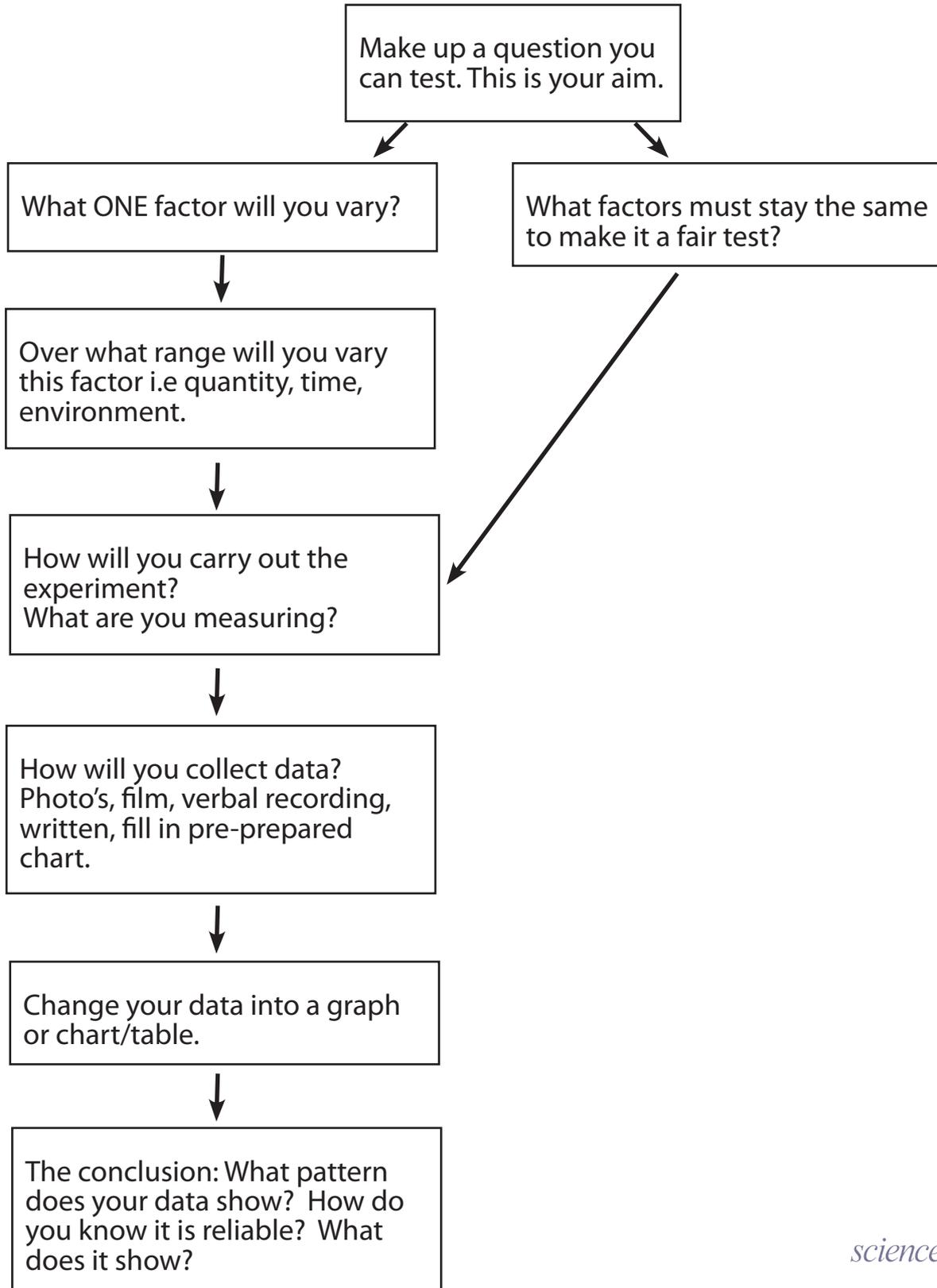


# Guidelines for your Practical Science Investigation

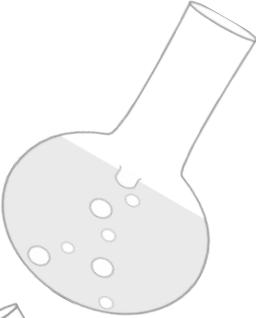
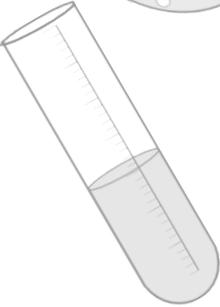
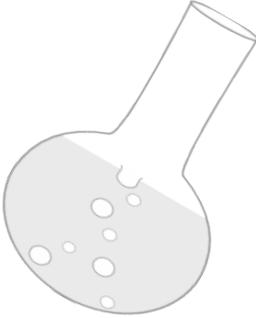
When you carry out your investigation you need to:

- Discuss with others what you want to do.
- Collect all the necessary equipment before the start of the experiment.
- Gather data efficiently as much as is required (i.e time, dates, measurements).
- Process your data (i.e work out, add numbers).
- Interpret your data (i.e what has your data told you, perhaps discuss with others).
- Report (i.e explain what you numbers show. Can others understand?)
- Be prepared to repeat the experiment.



# Science Investigation

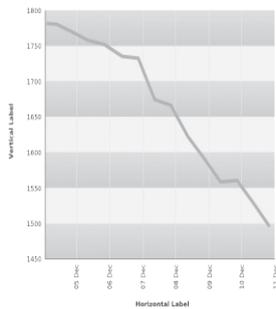
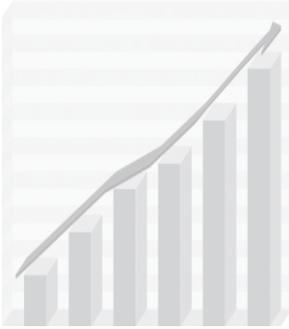
## Fair Testing

<b>Aim</b> What are you trying to find out?	
<b>Hypothesis</b> What do you think your results will be?	
<b>Independent Variable</b> What variable will you change?	
<b>Dependent Variable</b> What variable will you measure?	
<b>Controlled Variable</b> What variables will you keep the same?	
<b>Method</b> Give a set of step-by-step instructions on what you will do to find the answer to your aim.   	

# Fair Testing Continued

## Record Data

Put the data into a table/  
graph. Label and units ie cm,  
kg, l



## Conclusion

Put your results into words  
and link them back to your  
aim.

## Evaluation

Explain why you carried out  
the experiment the way you  
did. Explain why you got  
the results you did and what  
science ideas were shown.