**Variables: The changeable things in the investigation that can affect the outcome**

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| **The Investigation** (What you are trying to find) | **Independent Variable**  (the ones you change) | **Dependent Variable** (the ones you measure) | **Controlled Variables** (the ones you keep the same) |
| A gardener wants to see the effect that fertilizer has on her plants. |  |  |  |
| A toy maker wants to see if her rubber balls will bounce more if she changes the colour. |  |  |  |
| A food maker wants to find out if adding more salt to his beef-jerky will make it more popular with his customers. |  |  |  |
| A surfer is trying to find out if temperature affects the size of the waves. |  |  |  |
| The number of fleas found on dogs is different for different breeds of dogs. |  |  |  |
| The amount of zinc a female rat eats will alter the number of offspring in her litter. |  |  |  |
| A doctor wants to know if exposure to the sun causes skin cancer. |  |  |  |
| A teenager wants to know if eating chocolate will increase the number of pimples you get. |  |  |  |
| A drink seller wants to know which drink has more fizz – Coca-cola or Pepsi. |  |  |  |