Testing circuits

**Year 6**

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| **Name:** |  |

|  |  |
| --- | --- |
| **Other members of your team:** |  |

### Variables Grid

List all the variables that you could investigate that will affect the brightness of a bulb.

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  | **Brightness of a bulb** **(M)** |  |
|  |  |  |

### Predict

Draw simple diagrams of different arrangements of the battery, wire and bulb that you predict will change the brightness of the bulb.

### Reason

Why do you think they will work?

### Observe

What happened? Which arrangement/s increased or decreased the brightness of the bulb?

### Explain

Did the result fit your prediction?

Can you explain the science of why this arrangement increased or decreased the brightness of the bulb?