**Investigation Planning Template**

**Is a fair test required in this investigation? Why?**

A fair test is/is not needed because



**Independent variable**

*How to change and measure X?*

**Control variables**

*Anything else that likely affects Y?*

*How to ensure they are the same between different trials?*

**Question**

How **X:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **affects** **Y:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ?

*Is it the best way to measure Y?*

*Are there any other ways?*

*Are repeat measurements needed?*

*Anything that cannot be controlled?*

**Prediction**

*What do you predict how X affects? Explain the theory supporting your prediction.*

**Dependent variables**

*How to change and measure Y?*