Aim: Our aim is to identify the food that produces the most amount of energy.

Hypothesis:

Materials: Retort stand, Boiling tube, Thermometer, Tongs, Weighing scale, Doritos

Method

- Take 15ml water into the boiling tube and clamp it on the stand.
- Insert a thermometer into the boiling tube.
- Measure the initial temperature of water and note it down.
- Burn 100 gm of Peanut using an evaporating dish and place it under the boiling tube.
- Measure the temperature of water.

Insert Image og the experiment set up.

Result

Food	Weight (g)	Initial temp of water	Final Temperature of Water(c)	Temperature increase
Doritos				

Insert graph here

Calculation: Energy in Food = $\frac{4.2 \times \text{Temp increase of water} \times \text{weight of water}}{\text{Weight of Food}}$

Conclusion