

Roced/Rocket



Offer:

- Potel "fruit Shoot" neu unrhyw botel arall gyda chaead sydd yn gallu popian i ffwrdd (ddim un sy'n troi)
- Tabledi Fitamin (neu gallwch arbrofi gyda thabledi gwahanol sydd yn creu swigod mewn dŵr)
- Cynhwysydd (er mwyn dal y botel - mae'r caead angen cyffwrdd gwaelod y cynhwysydd)
- Dwr
- Amserydd
- Corcyn (opsiynol)
- Twmffat (opsiynol)
- Awyr Agored!

Equipment:

- Fruit Shoot Bottle or any bottle that with a lid that can pop off (not a twisted cap)
- Vitamin C Tablet (or you can experiment with other tablets that fizzes in water)
- Container (to hold your bottle -the lid needs to touch the base of the container)
- Water
- Timer
- Cork (optional)
- Funnel (optional)
- Outdoor Space!

Terminoleg:

- Swigod
- Eferwi
- Carbon Deuocsid
- Adwaith Cemegol
- Pwysedd

Terminology:

- Fizzing
- Effervescence
- Carbon Dioxide
- Chemical Reaction
- Pressure

Prawf Teg



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Cofiwch! Er mwyn cynnal prawf teg cewch dim ond newid un ffactor ar y tro - mae rhaid i bopeth arall cael ei gadw'n gyson.

Fair Test

Remember! In order to ensure it is a fair test you can only change one factor at a time - everything else needs to be kept the same

Tabl Canlyniadau / Results Table

Dyma enghreifftiau o newidynnau allwch fynd ati i ymchwilio a chofnodi:

Here are examples of what you could investigate and record:

Newidyn - Nifer o dabledi / Variable - Number of Tablets

	Amser (eiliadau) Arbrawf 1 <i>Time (seconds)</i> <i>Experiment 1</i>	Amser (eiliadau) Arbrawf 2 <i>Time (seconds)</i> <i>Experiment 2</i>	Amser (eiliadau) Arbrawf 3 <i>Time (seconds)</i> <i>Experiment 3</i>	Cyfartaledd Amser (eiliadau) <i>Average</i> <i>Time (seconds)</i>
1 Tabled/Tablet				
2 Tabled/Tablet				
3 Tabled/Tablet				

Newidyn - Tymheredd y Dŵr / Variable - Temperature of Water



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	Amser (eiliadau) Arbrawf 1 Time (seconds) Experiment 1	Amser (eiliadau) Arbrawf 2 Time (seconds) Experiment 2	Amser (eiliadau) Arbrawf 3 Time (seconds) Experiment 3	Cyfartaledd Amser (eiliadau) Average Time (seconds)
Dwr Oer Cold Water				
Dwr Cynnes Warm Water				
Dwr Poeth Hot Water				

PWYSIG! Mae angen cael oedolyn i'ch helpu gyda'r dŵr poeth! IMPORTANT! You will need an adult to assist you with the hot water!

Newidyn - Main y botel/Variable - Size of Bottle

	Amser (eiliadau) Arbrawf 1 Time (seconds) Experiment 1	Amser (eiliadau) Arbrawf 2 Time (seconds) Experiment 2	Amser (eiliadau) Arbrawf 3 Time (seconds) Experiment 3	Cyfartaledd Amser (eiliadau) Average Time (seconds)
Botel Fach Small Bottle				
Botel Ganolig Medium Bottle				
Botel Fawr Large Bottle				

Newidyn - Arwynebedd Arwyneb y Dabled / Variable - Surface Area of Tablet



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	Amser (eiliadau) Arbrawf 1 <i>Time (seconds)</i> <i>Experiment 1</i>	Amser (eiliadau) Arbrawf 2 <i>Time (seconds)</i> <i>Experiment 2</i>	Amser (eiliadau) Arbrawf 3 <i>Time (seconds)</i> <i>Experiment 3</i>	Cyfartaledd Amser (eiliadau) <i>Average</i> <i>Time (seconds)</i>
Tabled Gyfan <i>Whole Tablet</i>				
Tabled wedi torri yn hanner <i>Tablet broken in half</i>				
Tabled wedi briwsioni'n fan <i>Tablet finely crumbled</i>				

COFIWCH! REMEMBER!

MAE ANGEN EI GYNNAL YN AWYR AGORED / YOU NEED TO PERFORM THE EXPERIMENT OUTDOORS

MAE ANGEN CAMU YN ÔL UNWAITH MAE'R CAEAD WEDI CAEL EI ROI YMLAEN / YOU NEED TO STEP BACK ONCE THE LID HAS BEEN PLACED ON THE BOTTLE

MI FYDD RHAI YN ARAF YN ADWEITHIO FELLY MAE ANGEN DISGWYL DIPYN O FUNUDAU CYN IDDYCH DYCHWELYD YN ÔL AT EICH POTEL / SOME MAY TAKE LONGER THAN OTHERS TO REACT THEREFORE PLEASE WAIT AT LEAST 3 MINUTES BEFORE RETURNING TO YOUR BOTTLE.



