

Virtual labs classzone
By M.E. Mohammed Mehdi Saleh

جمهورية العراق
وزارة التعليم العالي والبحث العلمي
جامعة الأنبار



شعبة ابن سينا للتعليم الالكتروني

تقدم

Virtual Labs

المختبرات الافتراضية Classzone
اعداد : م.م. محمد مهدي صالح

Virtual Biology Labs

Calorimetry

Carbon Transfer Through Snails and Elodea

Investigating Bacterial Growth

Breeding Mutations in Fruit Flies

Gel Electrophoresis

Bacterial Transformation

Comparing Hominoid Skulls

Estimating Population Size

Testing Antibacterial Agents

Plant Transpiration

Exploring Plant Responses

Insects and Crime Scene Analysis

Interpreting Bird Response

Blood Typing

قائمة التجارب المتاحة
قم بالنقر على اسم التجربة المطلوبة للبدء بالعمل

PROBLEM

EXPLORE

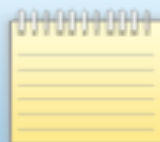
PROCEDURE

AUDIO:



BACKGROUND

LAB NOTEBOOK



PROBLEM

X

Do you know how many Calories are in the foods you eat? You've probably heard dieters say that they're "counting Calories" or that they need to "burn Calories" to lose weight. On all packaged foods, the nutrition label tells you how many Calories are in each serving, but how are Calories determined?

Nutrition Facts

Serving Size 1 potato (148g/5.3oz)

Amount Per Serving

Calories 100 Calories from Fat 0

% Daily Value*

Total Fat 0g 0%

Saturated Fat 0g 0%

Cholesterol 0mg 0%

Sodium 0mg 0%

Potassium 720mg 21%

Total Carbohydrate 26g 9%

Dietary Fiber 3g 12%

Sugars 3g

Protein 4g

Vitamin A 0% • Vitamin C 45%

Calcium 2% • Iron 6%

Thiamin 8% • Riboflavin 2%

Niacin 8% • Vitamin B₆ 10%

Folate 6% • Phosphorous 6%

Zinc 2% • Magnesium 6%

*Percent Daily Values are based on a diet of other people's secrets.

In this investigation, you will select foods from different food groups and determine the number of Calories in each food sample.

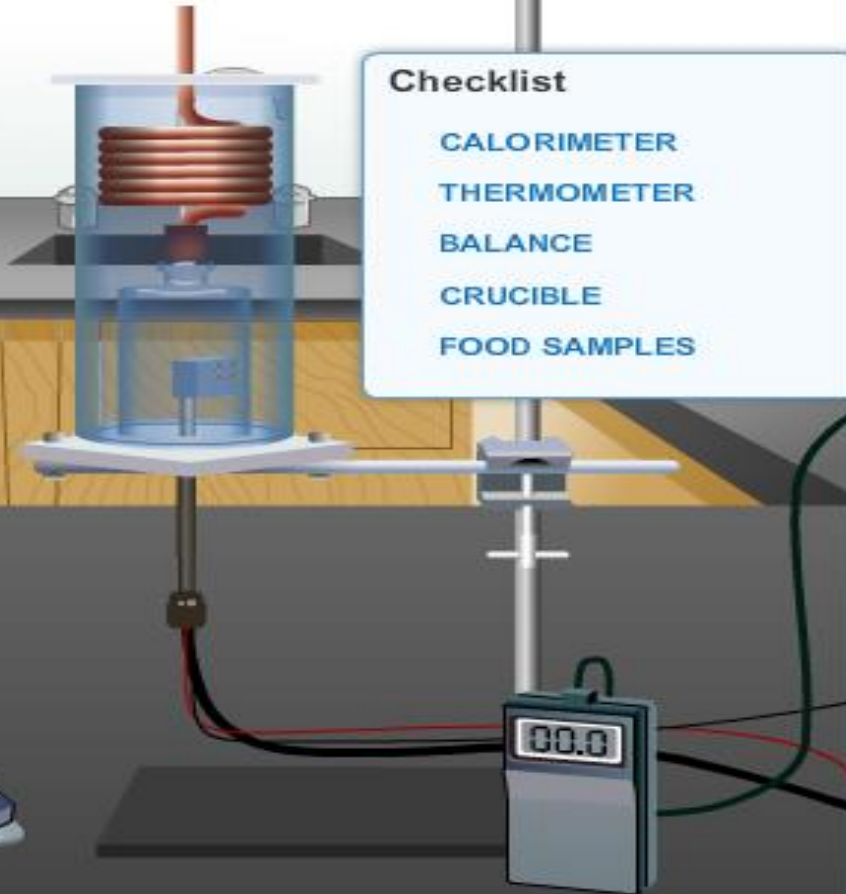
[PROBLEM](#)[EXPLORE](#)[PROCEDURE](#)

AUDIO:

[BACKGROUND](#)[LAB NOTEBOOK](#)

Explore the lab to learn what is available for your investigation. You must click on each item in the checklist. Once you are ready to move on, click **PROCEDURE**.

للحصول على معلومات عن الأدوات قم بالنقر على أي جزء في المختبر

**Checklist**

- CALORIMETER
- THERMOMETER
- BALANCE
- CRUCIBLE
- FOOD SAMPLES

PROBLEM EXPLORE PROCEDURE

AUDIO: [Pause] [Stop] [Play]

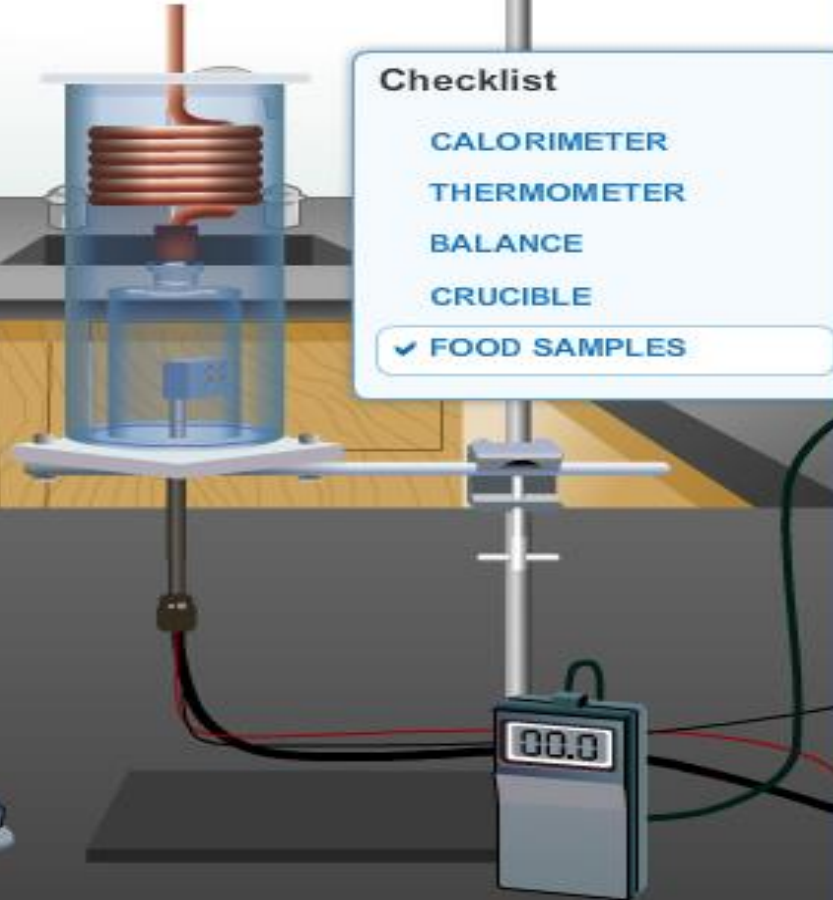
BACKGROUND

LAB NOTEBOOK

Explore the lab to learn what is available for your investigation. You must click on each item in the checklist. Once you are ready to move on, click **PROCEDURE**.



- FOOD SAMPLES**
- Carrots
 - Broccoli
 - Banana
 - Orange
 - American Cheese
 - Chicken
 - Tortilla
 - Bread
 - Chocolate
 - Margarine Blend



- Checklist**
- CALORIMETER
 - THERMOMETER
 - BALANCE
 - CRUCIBLE
 - FOOD SAMPLES