Girl Scout Gold Award Project

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CureCancer

Vocabulary Cards
Bacteria
Very small, simple living things.
Cancer
An uncontrollable, fast growing growth in your body.
Cell
Small structures made mostly of water found in your body.
Diagnosis
To identify something.
Fluorescent
To glow very brightly, sometimes in colors.
Gene
A small structure found in your body that creates you.
Protein
A small structure made up of things needed to keep things alive.
Green Fluorescent Protein
(GFP)
A protein that glows bright green and is “the cure to cancer”.
Agar
A gel base where bacteria grows.
Clone
An identical copy.
Colony
A group.
DNA
The structure where information is kept inside a cell. DNA = Deoxyribonucleic acid.
Inoculation Loop
A bubble wand shaped scientific tool used to collect bacteria.
Petri Plate
A dish used to grow bacteria on.
Green Fluorescent Protein (GFP)
A protein that glows bright green and is “the cure to cancer”.
Culture Tubes
Tubes used for working with bacteria.
Incubator
A machine that has a controlled temperature.
Ultra Violet Light
(UV Light)
A special kind of light that causes the GFP to glow bright green.
Green Fluorescent Protein
(GFP)
A protein that glows bright green and is “the cure to cancer”.
Concentration
The amount of something mixed with something else.
A chemical that breaks down substances.
Lesson 4 Vocabulary Card

Micro

[Image of a microscope]
Smaller than you can see with your eye.
Pipette
A scientific tool used to move liquids.
Purification
A process done to get one thing by itself.
Green Fluorescent Protein (GFP)
A protein that glows bright green and is “the cure to cancer”.
Column
A scientific tool used to hold liquids.
Lysis
The breaking down of a cell.
Green Fluorescent Protein (GFP)
A protein that glows bright green and is “the cure to cancer”.

Lesson 5 Vocabulary Card
Chromatography
The separation of mixtures.
Collection
A group of things.
Equilibration Buffer
A liquid used to make a mixture equal.
TE Buffer
A liquid used to protect DNA.
Wash Buffer

Wash buffer (250 μl)
A liquid used to wash away unwanted materials from a mixture.
Green Fluorescent Protein (GFP)
A protein that glows bright green and is “the cure to cancer”.