

B2 Inclusion: Greenhouse effect in a drinking cup

Hint 1

Have a classmate explain the devices and materials to you.

Have your teacher explain the devices and materials to you.

Hint 2

Place the cup in the sun or in the beam of light from the light source so that the inside of the cup is illuminated. If you use a lamp, you must keep the angle of incidence and the distance from the lamp to the cup equal for all four experiments (you can use the ruler to measure the distance).

Hint 3

Remove the cup briefly from the source of light and let it cool down. At the start of the second measurement, the cup should be at the same temperature as it was for experiment 1.

Hint 4

Cut the black paper so that it lines the inside of the cup in a semicircle. Also cut out a circle for the bottom of the cup.

Hint 5

Cut the white paper (aluminum foil) so that it lines the inside of the cup in a semicircle. Also cut out a circle for the bottom of the cup.

Hint 6

First describe this.

Hint 7

First, name the greenhouse gases.

Next, write down what you know about these gases.

Hint 8

First, describe the natural greenhouse effect and the greenhouse effect that is caused by people.

Next, create a table listing the similarities and differences.