

Does compost decompose faster in the light or dark?

Aim: To test whether compost will decompose faster in the light

Hypothesis: We think the compost will decompose faster in the light

Equipment:

Clear 1.25 or 2L plastic bottle with lid
Two cups of fruit and vegetable scraps
Two cups of dried (brown) grass clippings/mulch/hay/leaves
Two cups of garden soil
Spray bottle containing water

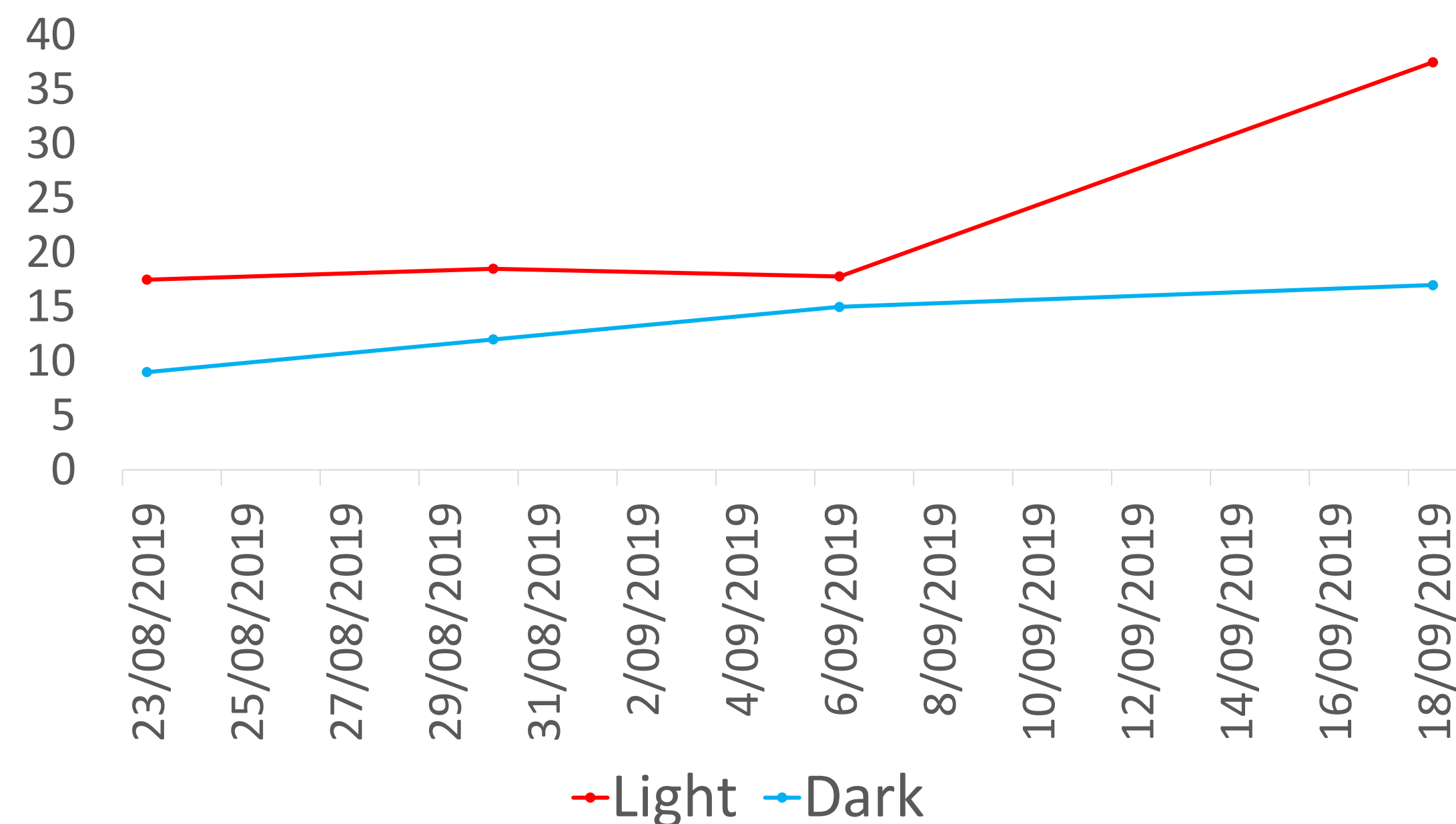
Clear tape
Scissors
Black Texta
Gloves
Thermometer



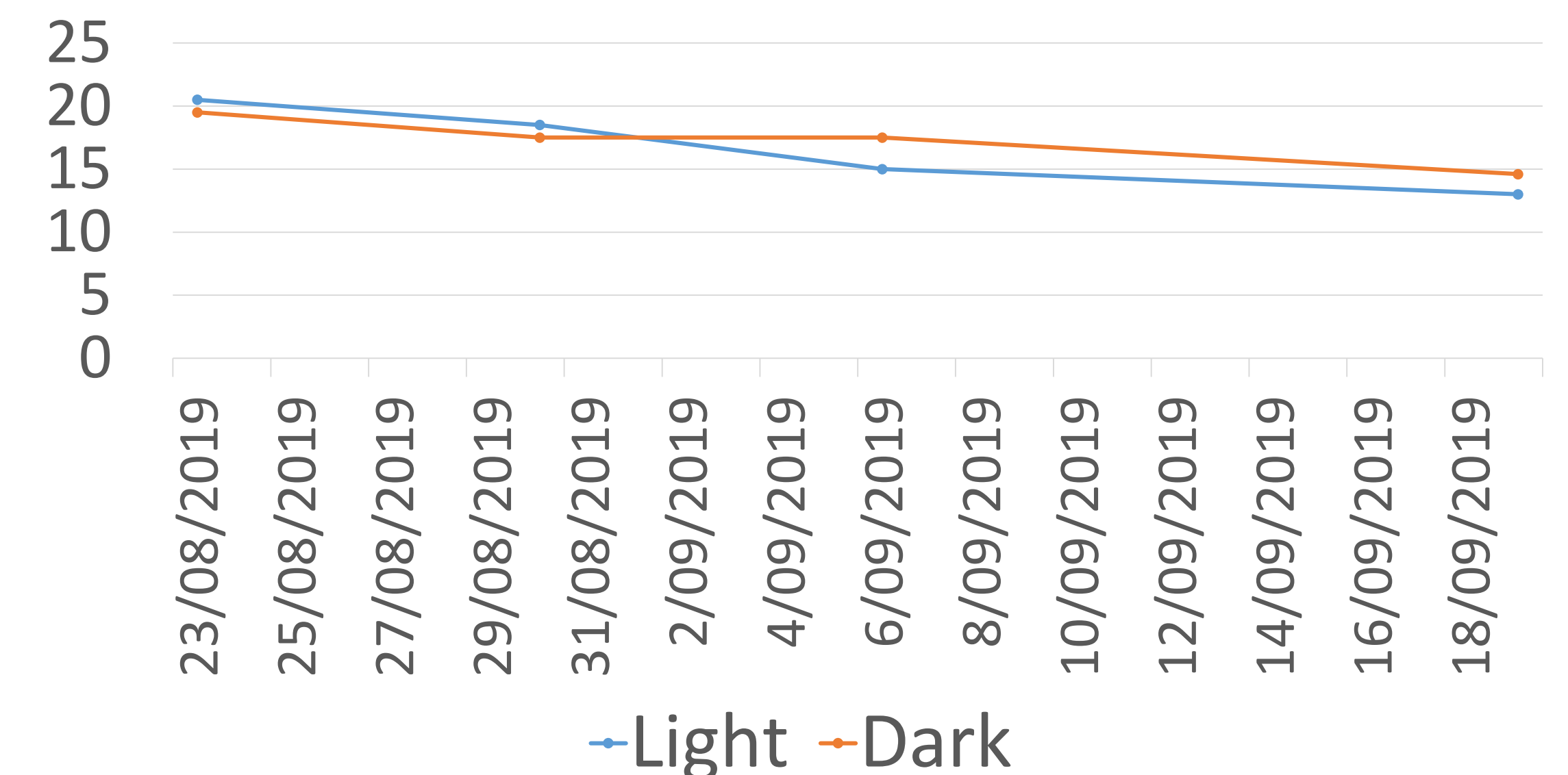
Method:

1. Cut the top of the bottle
2. Put in 2cm of soil
3. Put in 2cm of mulch
4. Cut a vegetable up and put in
5. Repeat step 2-4 until you fill the bottle up
6. Spray 1 quart of water into the bottle
7. Write your name on the bottle
8. Put sticky tape on the top of the bottle
9. Measure for 5 weeks and note down results

Temperature Of Compost



Height Of Compost



Conclusion: The compost decomposed faster in the light than in the sun because the light bottle got hotter and decreased in volume faster. Our hypothesis was correct!