SCIENCE NOTEBOOK

Which Water Bottle will Keep Water the Coldest?

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ABSTRACT

We were wondering what water bottle would stay the coldest so we got the 5 most famous steel water bottles.so we would leave the water bottle in the sun For 6 hours and we would check

At the first hour the hydro flask and the core home bottle was doing the worst but at for the rest of the remaining hours the hydro flask barely moved the hydro flask kept the coldest and that answers the question the hydro flask is the keeps your water the coldest.

QUESTION

we want to know which steel water bottle will keep our water the coldest, so we got five of the most famous steel water bottles to test it with. We are going to fill them up with ice and water then put a thermometer in it and wait five hours. Then we will see which water stayed the coldest by looking at the thermometer.

:Stanly

:tal

:hydro flask

:hydro jug

:brumate

RESEARCH

All of these 5 water bottles are all made of different materials. But they all do contain 18/8 pro grade stainless steel.

So all of them could be different or they could all be the same. The day we are doing the experiment high is 77 from 12am to 5pm.

HYPOTHESIS

We think the hydro flask water bottle will do the best, because first of all the hydro flask water bottle is designed for extreme hot/cold weathers. The one we thought would do the worst would be brumate.

MATERIALS

.brumate water bottle
.core home/tal water bottle
.stanley water bottle
.hydro flask water bottle
.hydro jug water bottle
.govee digital thermometer

PROCEDURES

Step 1 we have five of the most famous steel water bottles.

Step 2 we will leave them outside for 6 hours.

Step 3 we will check them every hour.

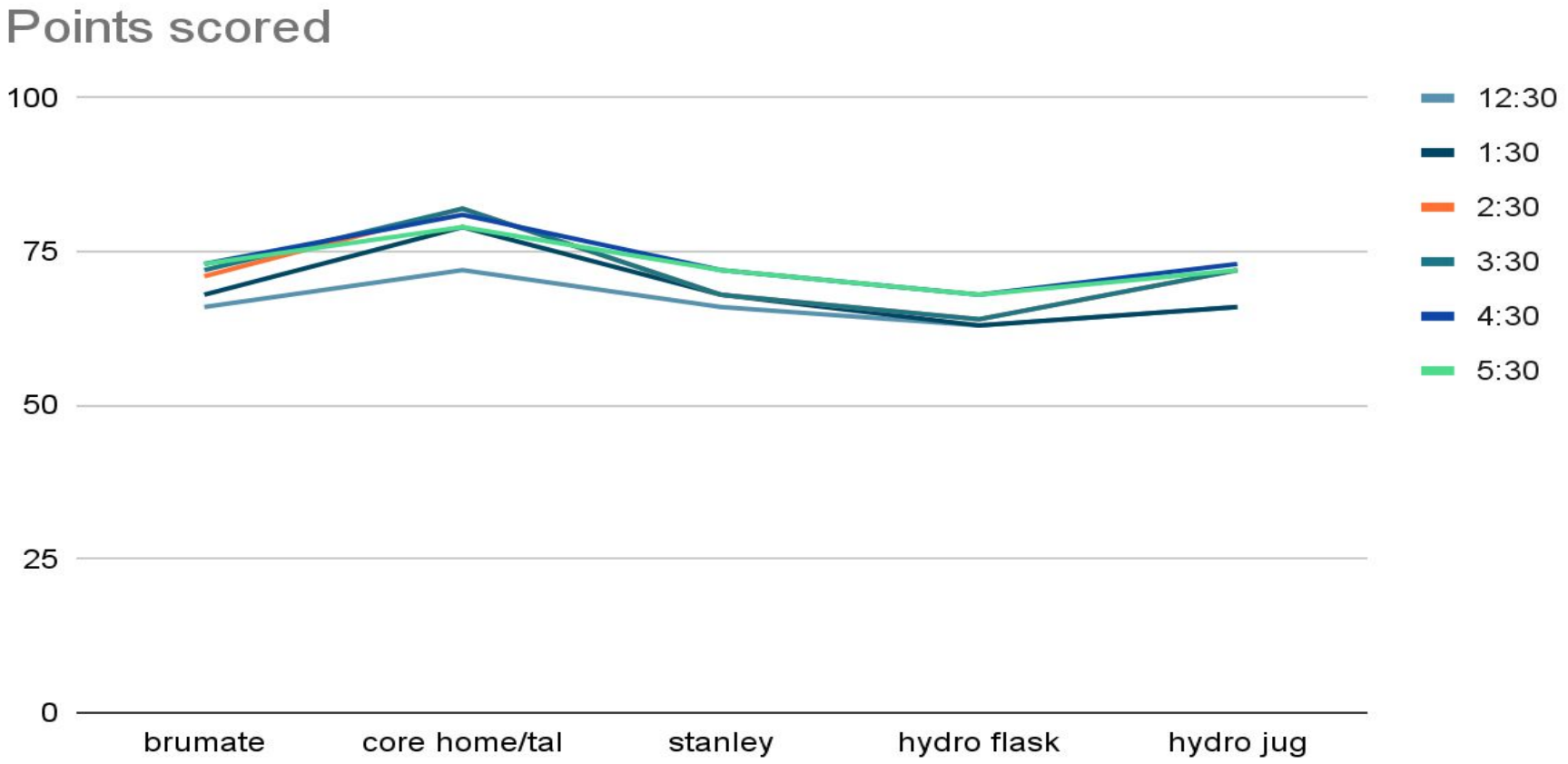
Step 4 we checked them every hour in the same order with the thermometer.

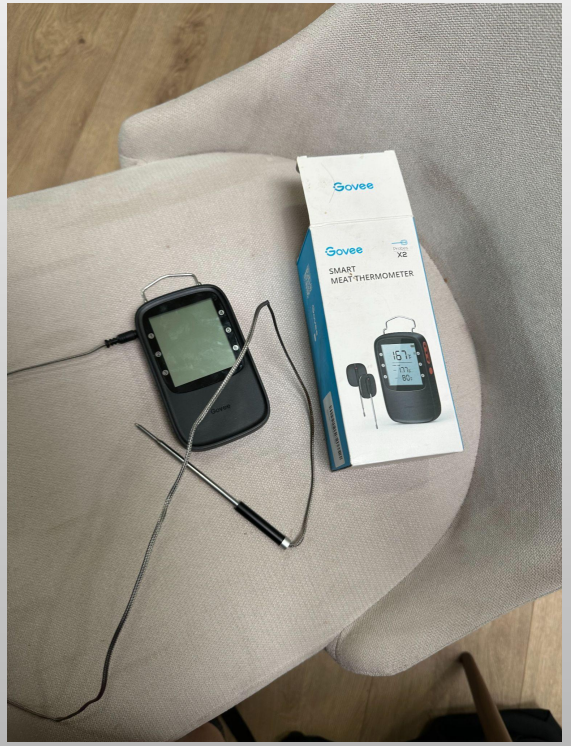
DATA & RESULTS

The Hydro Flask kept the coldest temperature out of the other water bottles. The worst water bottle was the Core Home/Tal water bottle.

	12:30	1:30	2:30	3:30	4:30	5:30
Hydro flask	66	68	71	72	73	73
Tal	72	79	82	82	81	79
Hydro jug	66	68	64	68	72	72
Stanly	63	63	64	64	68	68
Brumate	66	66	72	72	73	72

Data & results




Govee
Govee
x2
SMART
MEAT THERMOMETER