

What Water Bottle Keeps The Ice In Its Form The Longest

Contigo



Hydro Flask



Thermal Flask



Yeti



Guiding Question

My guiding question is what water bottle will keep the ice in its form the longest.

Hypothesis

I predicted that the Thermo flask would out last the other water bottles.

Materials

For materials, you would need 4 water bottles, 5 ice cube in each bottle and 3 cups of water.



Procedure

For the procedure to start, you put 5 ice cubes and $\frac{1}{4}$ cup of water in each water bottle. After every 5 hours, add $\frac{1}{4}$ cup of water in each water bottle.

Variables

Controlled variables

Temperature around the water bottle

Manipulated variable

Added water every five hours

Measured variable

$\frac{1}{4}$ cups of water each 5 hours

Data

<u>Water bottle</u>	<u>5 hrs</u>	<u>10 hrs</u>	<u>15 hrs</u>
Yeti	5 ice cubes left	5 ice cubes left	No ice cubes left at 12 hrs, 10 min
Thermo flask	5 ice cubes left	5 ice cubes left	No ice cubes left at 14 hrs, 20 min
Hydro flask	5 ice cubes left	5 ice cubes left	No ice cubes left at 16 hrs, 10 min
Contigo	5 ice cubes left	5 ice cube left	Still had ice cubes after 22 hrs

Conclusion

In conclusion, Contigo had the best kind of materials for the water bottle and it had four ice cubes left when it finished. I kept going on with the Contigo and it went 22 hrs and i would recommend to buy a Contigo water bottle.

