



Incrediworld Science Day 4 – Design Day: Cool Design!

Key Truth:

Our incredible God created many amazing animals that can survive in extremely cold environments. It is not an accident that they have these special design features – God made them that way! We can praise God for His amazing works.

<p>Supply List: Instant Ice – Waterbending in Real Life! (Method 1)</p> <ul style="list-style-type: none"> • Purified bottled water (Fiji brand works well – use purified bottled water and not tap water) • Freezer <p>Parents: For tips on how to do this experiment properly, you can watch the following video that gives good tips for helping the demonstration to be successful.</p> <p>Instant Ice – Tips, Tricks, and Things to Watch Out For! by The King of Random https://www.youtube.com/watch?v=7o8moFSHrAQ</p>	<p>Supply List: Instant Ice – Waterbending in Real Life! (Method 2)</p> <ul style="list-style-type: none"> • Purified bottled water (Fiji brand works well – use purified bottled water and not tap water) • Large plastic tub or bucket • Ice • Tap water • Refrigerator thermometer • Rock salt <p>For this second method, you will need to fill the tub with tap water and add lots of ice and a generous amount of rock salt to lower the freezing point of the water to replicate the conditions inside a freezer. If you use the ice water/rock salt method, you will want to use a refrigerator thermometer to check when the ice water bath is at the right temperature ~ 17 degrees F. When you add your bottled water to the ice water bath, it will take about 10 minutes or so for the bottles of water to become supercooled. You can watch the following video to see how this method works.</p> <p>How to Instantly Freeze a Bottle of Water – Steve Spangler on DIY Sci by TheSpanglerEffect https://www.youtube.com/watch?v=XJLDXbmH-ec</p>
<p>Supply List: Blubber Glove</p> <ul style="list-style-type: none"> • Large zip top plastic bags • Duct tape • Large container of ice water • Vegetable shortening • Spatula 	<p>For Further Study Read: Job 12:7-10 Psalm 96:11-12 Psalm 104:24-25</p>

Sources:

Instant Ice – Tips, Tricks, and Things to Watch Out For! by The King of Random

<https://www.youtube.com/watch?v=7o8moFSHrAQ>

How to Instantly Freeze a Bottle of Water – Steve Spangler on DIY Sci by TheSpanglerEffect

<https://www.youtube.com/watch?v=XJLDXbmH-ec>

Instant Ice – Waterbending in Real Life! by The King of Random

https://www.youtube.com/watch?v=sQdLttUh_b0

How to Freeze Water like Elsa! (Supercooling Explained) by Maddie Moate

<https://www.youtube.com/watch?v=-qP7rqK3iLk>

150631 Insulation Blubber by Joseph Miller

<https://www.youtube.com/watch?v=3S5kJP5B0I0>

Blubber Glove - Sick Science! #092

<https://www.youtube.com/watch?v=KfcDx1dXZw8>

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