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Snow Layers

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On Monday March 1st at 2:35 PM, on the flat grassy hillside terrain covered in snow at my home in Brownfield Maine. I was surrounded by trees and rocks almost making a little cave around the snow I was observing next to a tree. I saw a total of four layers each. The layers were pretty similar, not exactly the same textures and consistencies. The snow was very deep and it was almost like I was sinking into it as I was observing the icy lands around me.

On March 3rd 3:00PM I went back out again to see if anything had changed. I noticed that the layers in the snow had changed in texture and consistency since the last time I observed them. When I first observed the layers the top was more light snow and the bottom was very hard and icy snow, but when I observed the layers for a second time I noticed that it was mostly all a very hard and crusty texture and it had an almost sandy feeling to it. I was very surprised to find that the color of the snow on the bottom had changed from white to a more brownish color without even touching the solid ground, it looked as if someone had shaded it with different colors of paint.



These very intricate designs and layers in the snow are very interesting because they are all unique, meaning they all form in different ways. Layers in the snow form because of past snowstorms building on top of each other forming a bed of snow layers and ice. These layers also form because with each snowstorm that occurs there come different conditions, temperatures, wind speeds, and even different types of snowflakes. Snow storms rarely have the same or even similar conditions to each other. That is what makes these layers in the snow so interesting, all though they seem the same they are all different in their own way. When you look at the layers in the snow, you can even see different colors. Or feel different textures. My question about this is, do the layers in the snow always change over a few days or do they change because of the conditions of the weather over time? The layers in the snow sometimes get softer after a few days or harder and not a lot of people can explain why, so I want to know if they would get softer with the warmer weather or harder as the temperatures drop back down.

Some things that I could do in the future to study this further is learn more about how the layers form even in different places. Also compare them to how they form where I am. I could also go out whenever there is a snowstorm and study the textures and looks of the layers. The last thing I could do is go out after a couple more days and study how they changed.

Works Cited

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