



INSTANT SNOW

MATERIALS:

Instant Snow Powder
Food Coloring (optional)

Water
Portion Cups

VOCABULARY:

Polymer
Solid
Chemical Change

Chemistry
Liquid

States of Matter
Gas

Matter
Physical Change

DIRECTIONS:

1. Fill a portion cup 1/4 full of instant snow.
2. Fill a portion cup with water.
3. Dye your water, if you wish.
4. Slowly add the water to the instant snow.
5. What do you see happening?



THE STEAM BEHIND THE EXPERIMENT:

"Instant Snow Polymer is made by cross-linking molecules of the sodium polyacrylate polymer, the powder in super absorbent diapers. When water is added, the individual clusters internally hydrate and expand, forming small, fluffy clusters that do not cling to surrounding clusters. This appears as a powdery snow and can expand 100X its original size!

MAKE IT AWESOME:

Divide your snow powder into smaller portions. Dye 6 cups of water the colors of the rainbow. Add the different colors to the snow and make rainbow snow!

EXTENSIONS:

1. Add highlighter fluid to water. Then add the highlighter water to your snow. Turn out the lights and use your blacklight- your snow will glow!
2. What other changes can you make to the experiment?

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