

Name: \_\_\_\_\_

# Dry Ice

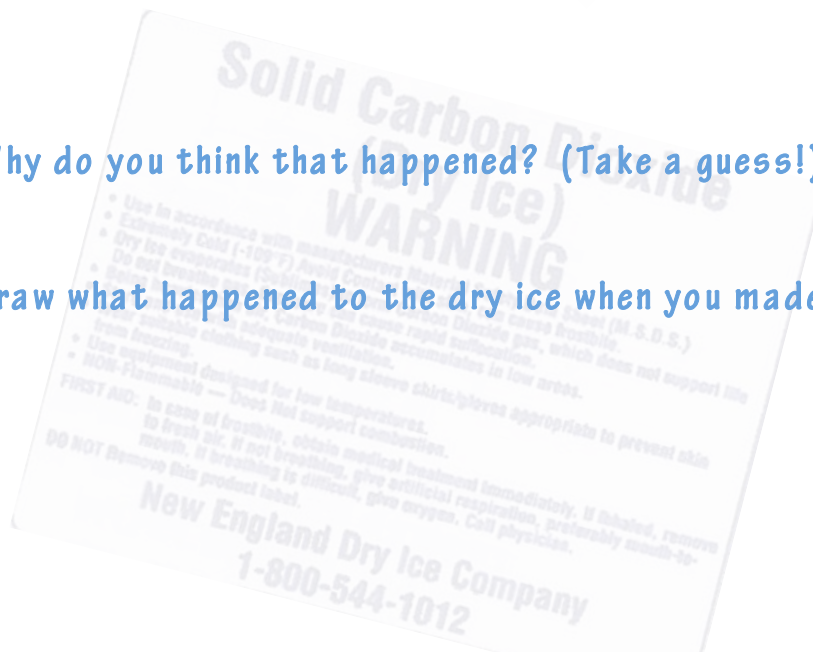
Directions: 1) Answer the questions the best you can. 2) Have fun! 😊

Question	My Best Guess	Real Answer
What is dry ice made out of?		
Can dry ice melt just like regular ice?		
When dry ice changes forms (ex. solid to gas), is it a physical or chemical change?		
Name one thing dry ice can do.		

Draw one thing from the video that happened because of dry ice. (Example: Balloon inflating)

Why do you think that happened? (Take a guess!)

Draw what happened to the dry ice when you made your root beer.



**A little bit of history:** Dry ice was observed in 1834 by a French chemist named Charles Thilorier. He opened a container of liquid carbon dioxide and noticed most of the liquid evaporated quickly. He also saw that there was some CO<sub>2</sub> left in the container, but it was solid! He had discovered dry ice. In 1924 Thomas B. Slate started figuring out ways to use dry ice and eventually patent it and sold it.

## Cool Stuff Dry Ice is Used For:

1. Making carbonated drinks. (Like Root Beer!)
2. To make ice cream.
3. Preserve food (keep it fresh).
4. Prevents insects from getting into grain containers.
5. Fog effects in movies, plays, and even haunted houses!
6. Can freeze off warts. (Ouch!)
7. Used to bait and trap mosquitoes and insects. (They love CO<sub>2</sub>!)
8. Blasted through an air compressor to clean machinery.
9. Helps plumbers stop water flow in pipes so they can fix things.
10. Used in laboratories to experiment with cold chemical reactions.

What did you learn about dry ice today? \_\_\_\_\_

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Resources:

[http://en.wikipedia.org/wiki/Dry\\_ice](http://en.wikipedia.org/wiki/Dry_ice)

<http://www.west.net/~science/co2.htm>

<http://www.dryiceinfo.com/>

<http://science.howstuffworks.com/innovation/question264.htm>

<http://dry-ice-experiments.blogspot.com/>

<http://www.weirdsciencekids.com/dryice.html>