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## 3.1.b Liquid Nitrogen Activity Group Observations

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## 3.1.b Liquid Nitrogen Activity Group Observations

# RECORDER REPORT, Chem 444A "Fire & Ice"

Group Member Name

Role

Date: 01/29/15

Marisa Recorder

NICK N/A

Miriam Mandator

Emily Safety

Sean Spokesperson

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OK

## Observations:

Step 1: LOOKS bubbly + boiling, it sizzle s

Step 2: Breaks off into bubbles that run off the table

Step 3: Picked up dirt on the ground

Step 4: Balloon shrinks, crinkles. Inflates again after taking it out, crinkling noise

Step 5: (Tennis) squeezed ball, froze into squeezed shape

Step 6: (Banana)

Step 7: couldn't get ping pong to shatter on floor, smashed with hand

Step 8: Hand sanitizer → bubbles + boils, gurgling noise, chunk came out

# RECORDER REPORT, Chem 444A "Fire & Ice"

Group Member Name

Role

Date:

1/29

<u>Tim</u>	<u>safety</u>
<u>Jamantua</u>	<u>recorder</u>
<u>Eliza</u>	<u>manager</u>
<u>Jon</u>	<u>spokesperson</u>
<u>Case</u>	

OK

## Observations + comments:

- "when it spreads out on table "bench" the liquid "beads" and moves everywhere"
  - when it hits paper, some rolls off, some left a mark
  - smoke comes off it as it rolls around
  - overall, very cool
  - balloon goes in - makes noise, deflates on portion immersed
  - becomes hard and the air enters back slightly when it is placed on the table
  - back like a balloon again
  - ping pong ball - makes fizzle noise, nothing really happens
  - gum - rock hard
  - tennis ball - fizzle, put on floor  
- tries to break but can't
- smashed - very cold  
ball - shattered

RECORDER REPORT, Chem 444A "Fire & Ice"

Group Member Name

Role

Date: 1-29-15

Emma Addison Recorder

Taylor Witkiewicz \_\_\_\_\_

Amanda Jones \_\_\_\_\_

Kaleigh Zukowski \_\_\_\_\_

Heather Prize \_\_\_\_\_

OK

The tide pod froze and then after a couple minutes it went back to normal consistency.

The balloon shrank in the liquid nitrogen and then expanded once it was in the air.

The oreo just froze and didn't really do much.

The mint also just froze and didn't shatter when we dropped it.

The tennis ball froze and then when we dropped it, it didn't bounce.

The pingpong ball also froze and when we hit it, it smashed.

The photo didn't really do much either except the texture wasn't as "sticky" as before.