



# CHEM IN A FLASH



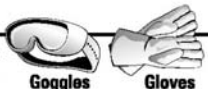
NAME \_\_\_\_\_

## Baking Balloons!

Try out some balloon expanding recipes!

### Directions

Always wear your safety equipment!



**Step 1:** Write down the number of scoops of sodium bicarbonate added to each group's balloon in the space below each flask.

**Step 2:** On the count of three, tilt the balloon to create a reaction!

**Step 3:** Draw what you see in the space above each flask.

### Observations

**Group 1**

**Group 2**

**Group 3**

**Group 4**

**Group 5**



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## Chemical Character-Building!

Chemicals are labeled according to three *hazardous* categories, rated from 0 (least dangerous) to 4 (most dangerous): The *flammable hazard* describes the chemical's fire danger, *health hazard* describes the toxic level, and *reactive hazard* describes dangers with other chemicals. Other specific hazards are listed on chemical labels.

### Directions

If you were a chemical, how would you be rated? Answer the questions below and enter the number of "Yes" answers in the matching boxes!

#### Health

- Do you share drinking glasses or straws?
- Do you forget to cover your mouth when you sneeze?
- Do you forget to wash your hands?
- Do you pick your nose?

#### Specific Hazards and Their Meanings

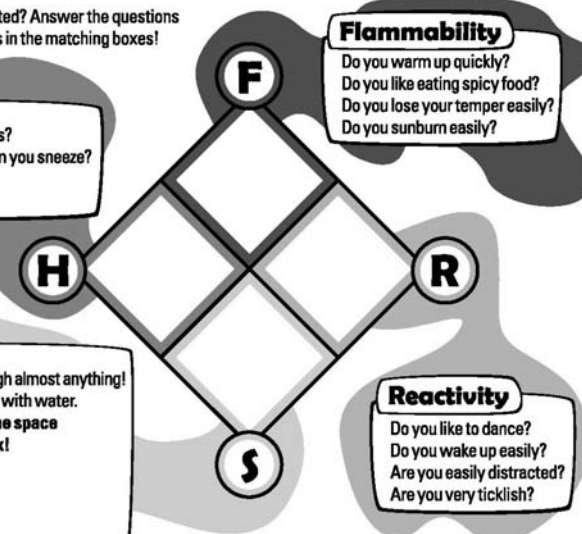
COR – Chemical that can eat a hole through almost anything!  
 W – Chemical that can react explosively with water.  
**Create your own specific hazards in the space below and enter its code in the "S" box!**  
 e.g. 1: AST- if you're asthmatic  
 e.g. 2: PNT- if you have a nut allergy

#### Flammability

- Do you warm up quickly?
- Do you like eating spicy food?
- Do you lose your temper easily?
- Do you sunburn easily?

#### Reactivity

- Do you like to dance?
- Do you wake up easily?
- Are you easily distracted?
- Are you very ticklish?



## Do you resemble any of these chemicals?

### Directions

Compare your personal rating above with the labels on the chart below!

	Lithium Metal	Vinegar	Rubbing Alcohol	Propane	Nicotine	Hydrogen Peroxide	School Glue	TNT
Flammability	2	2	3	4	1	0	0	4
Health	3	2	1	1	4	2	0	2
Reactivity	2	0	0	0	0	1	0	4
Specific	W	-	-	-	-	oxy	-	-



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