

Announcement: If you lost yesterday's conversion strip, get a new one from the black folder by the American flag.

Tape it or staple it into your notes!

Homework tonight: the typewriter sheet

Remember to memorize ten elements by Friday's QUIZ

Remind me to pass back Quiz 1

Purpose: How do we avoid serious injury during lab?

homework check

raise a palm if you tried everything

raise a fist if you tried half or more

raise nothing if you tried less than half

common injury:	prevention:
1) eye blinding	
2) bloody cut	
3) hair on fire	

- volumetric flask,
- Erlenmeyer flask,
- burette,
- graduated cylinder,
- beaker,
- evaporating dish,
- tongs,
- test tube holder,
- watch glass,
- crucible,
- Bunsen burner,
- ring stand,
- clay triangle,
- wire mesh screen

Number in your notes, 1 – 10.

Skip a line between each number.

As we watch the film I will pause when she says a rule but I won't announce it. At the end, we will take a picture of one person's notes for extra credit and put it on the website genest.weebly.com.

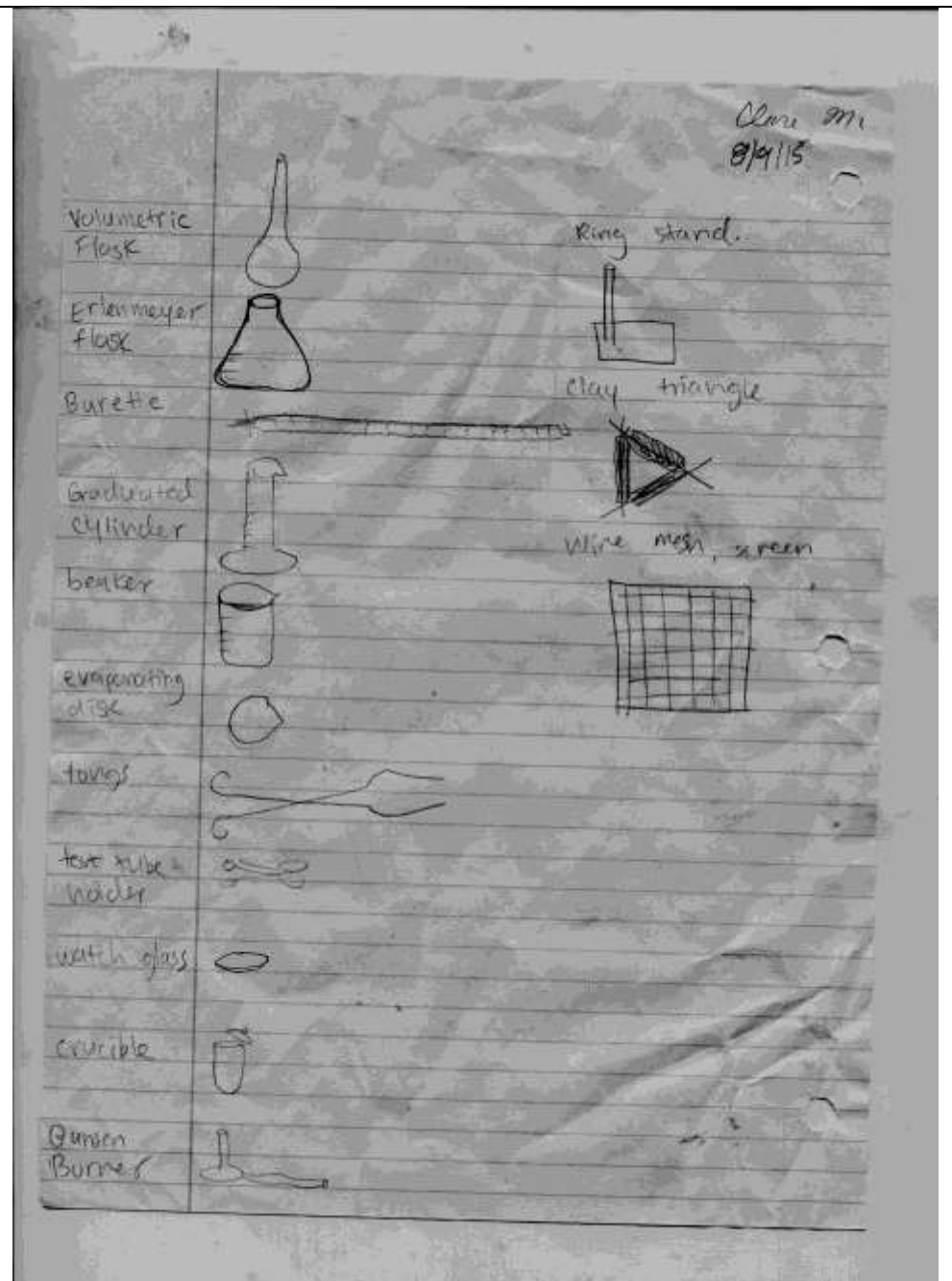
These rules are quizzable.

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Lab Safety

1. Goggles
2. chemical use (dont mix unless told, dispose correctly)
3. use of lab equipment (dont touch anything w/o being told)
4. Eye safty (rinse eyes for 15 minutes)
5. Skin safty (wash burned area for 15 minutes)
6. Never smell chemical directly
7. Dont touch broken glass
8. Fire safty (fire extinguisher) ← by blanket
9. Dont eat in lab
10. Always wash hands

These rules are quizzable.





Warmup: Convert 788 Mg to mg *Your chart says bounce 9 times to the right.*
 $788 \text{ Mg} = 788,000,000 \text{ mg}$ **ANSWER: 788,000,000 mg**

Convert the following measurements using your metric glue in (or the image at <http://genest.weebly.com>)

- | | |
|------------------------|--------------------------------------|
| 1. 1200 ml = 1.200 l | 6. 1200 ml = 1.200 l |
| 2. 1 g = $.001$ kg | 7. 807 g = 0.807 kg |
| 3. 1000 m = 1.000 km | 8. 436 μm = 0.000436 mm |
| 4. 34 m = 0.034 km | 9. 9.08 l = 9080 ml |
| 5. 0.99 kg = 990 g | 10. 0.45 kg = 450 g |

Compare each pair below using <, >, or =
 [strategy: convert ONE of the measurements into the same units as the OTHER measurement. Then write <, =, or >]

11. 58 cm $<$ 8m 600m
12. 3.5L $=$ 3500 mL 3.5L
13. 34 mg $<$ 5g 5000mg

ANSWERS #2

Try these conversions, using the ladder method.

- | | | |
|------------------------|-----------------------|-------------------------|
| 1) 2000 mg = 2.000 g | 6) 5 L = 5000 mL | 11) 16 cm = 160 mm |
| 2) 104 km = 104000 m | 7) 198 g = 0.198 kg | 12) 2500 m = 2.500 km |
| 3) 480 cm = 4.80 m | 8) 75 mL = 0.075 L | 13) 65 g = 65000 mg |
| 4) 5.6 kg = 5600 g | 9) 50 cm = 0.50 m | 14) 6.3 cm = 63 mm |
| 5) 8 mm = 0.8 cm | 10) 5.6 m = 560 cm | 15) 120 mg = 0.120 g |

Compare each pair below, using <, >, or =.
 [strategy: convert ONE of the measurements into the same units as the OTHER measurement. Then write <, =, or >]

- 16) 63 cm $<$ 8m 600cm
- 17) 5 g $>$ 508 mg 0.508g
- 18) 1,500 mL $=$ 1.5 L 1500mL

