



Herbert Wertheim
College of Engineering
UNIVERSITY of FLORIDA

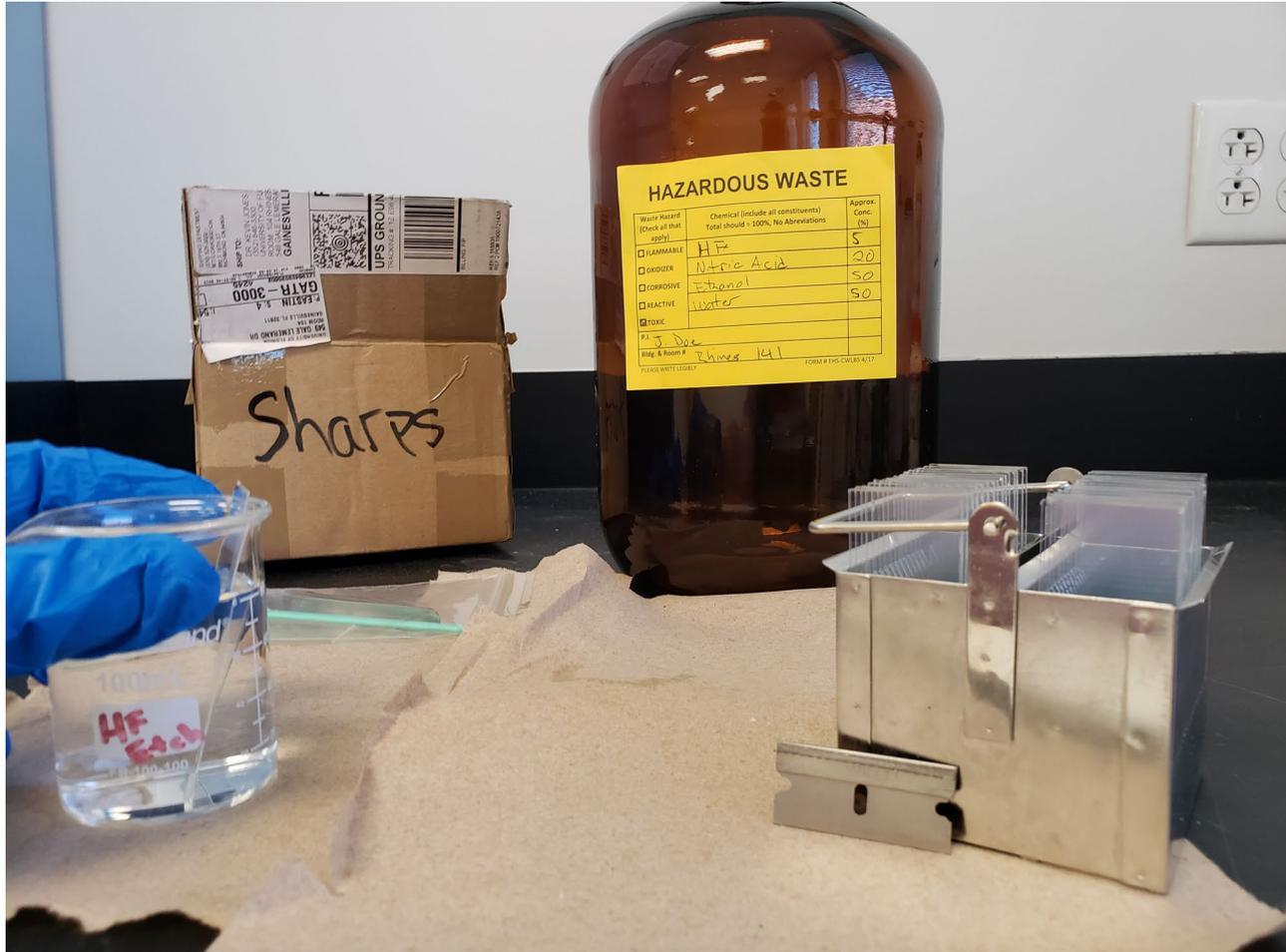
MSE Safety Day 2021 Activity

Safety Day “Find The Violation” Pictures

Instructions

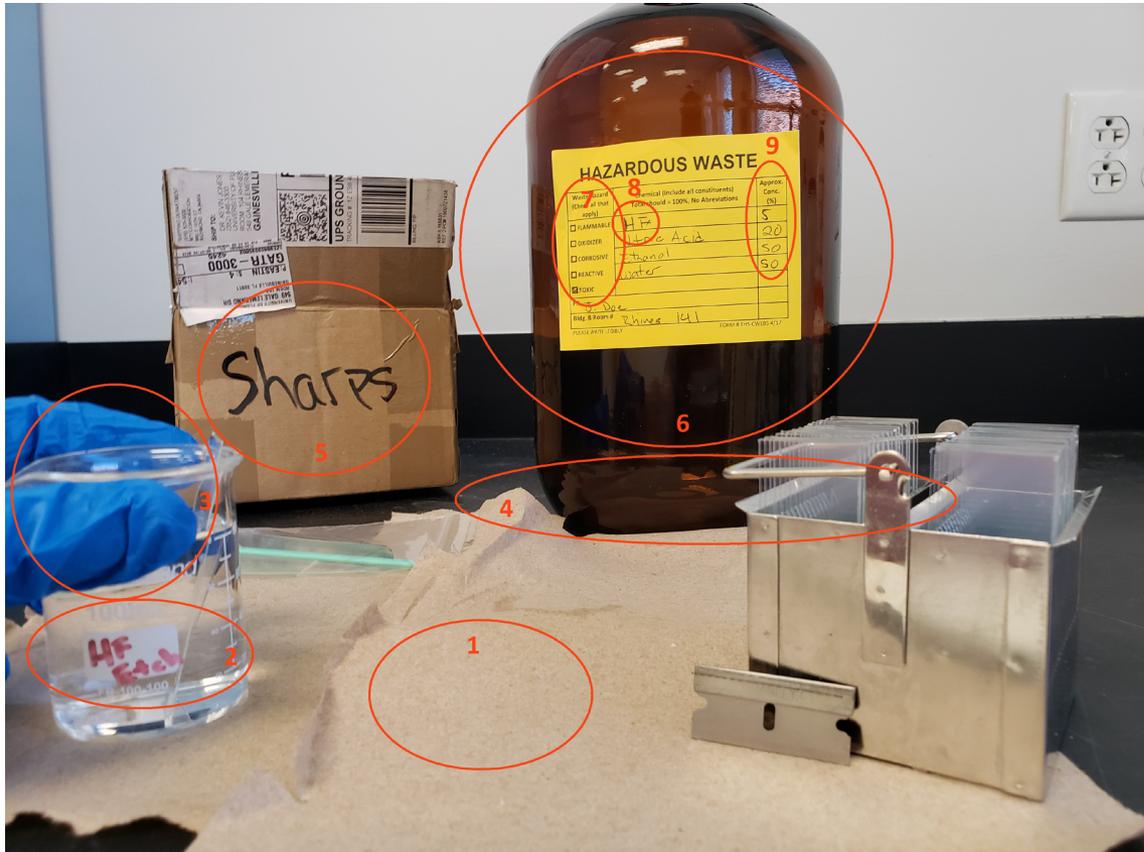
- The following images are simulated laboratory conditions set up for the purpose of this exercise.
- The activity is aimed towards identifying the laboratory safety violations that are occurring in the images.
- You can extract or print the images, or mark on them digitally however you like to document the violations.
- At the end of the day, I will present or send out another set of images with the violations circled and numbered to further describe the violations.
- Enjoy and have fun!

Picture 1



Can you spot the safety violations?

Picture 1 Answers



1. Missing acid neutralizer in close proximity (required for HF work)
2. Using HF in glass beakers
3. Not wearing correct PPE for HF work
4. Haz waste container not in a secondary container
5. Sharps not stored in appropriate sharps container
6. HF waste should not be stored in glass waste containers
7. Correct hazards are not selected
8. Chemicals should not be abbreviated on haz waste labels
9. Percentages should add up to 100%

Can you spot the safety violations?

Picture 2

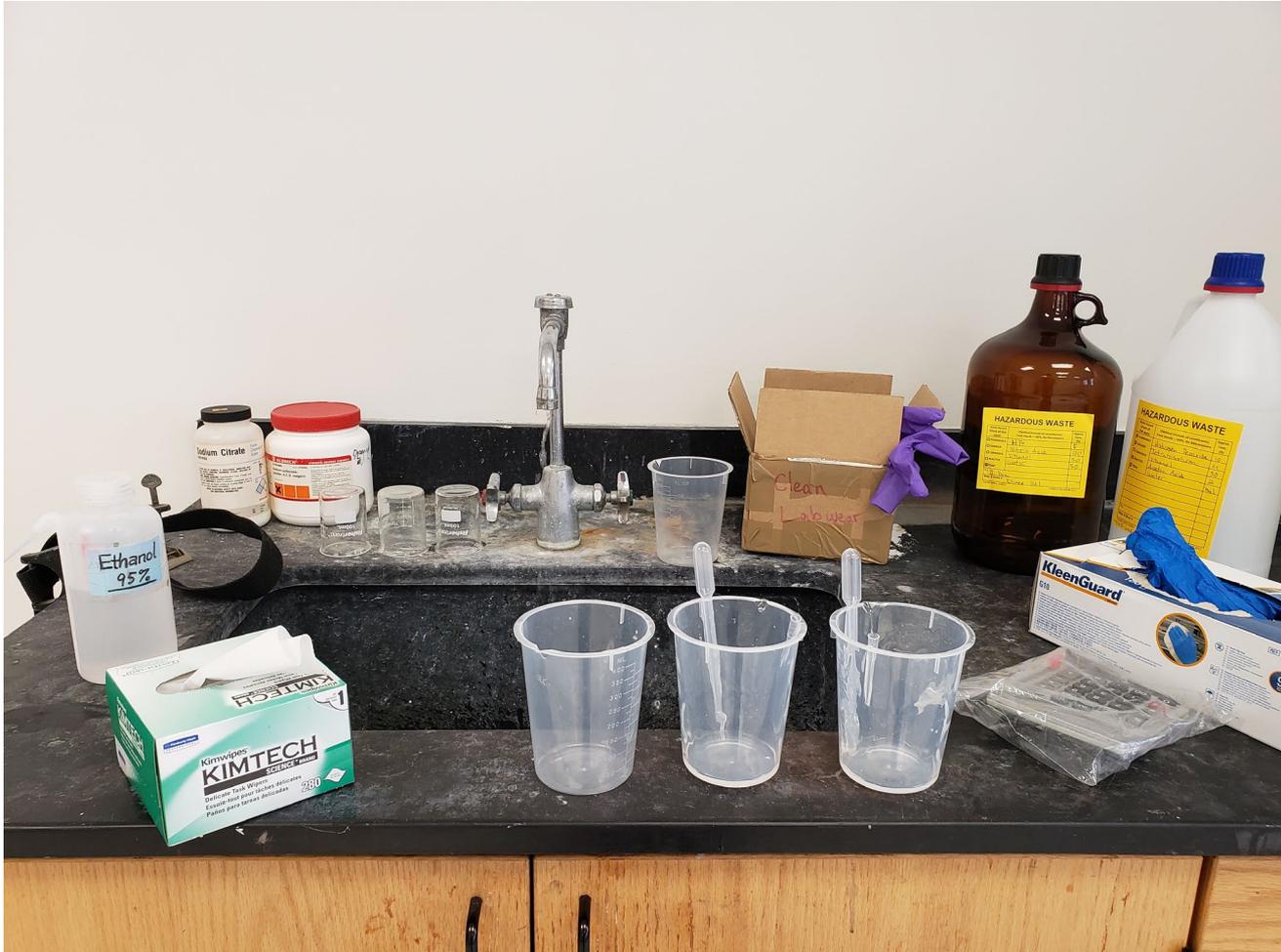


Picture 2 Answers



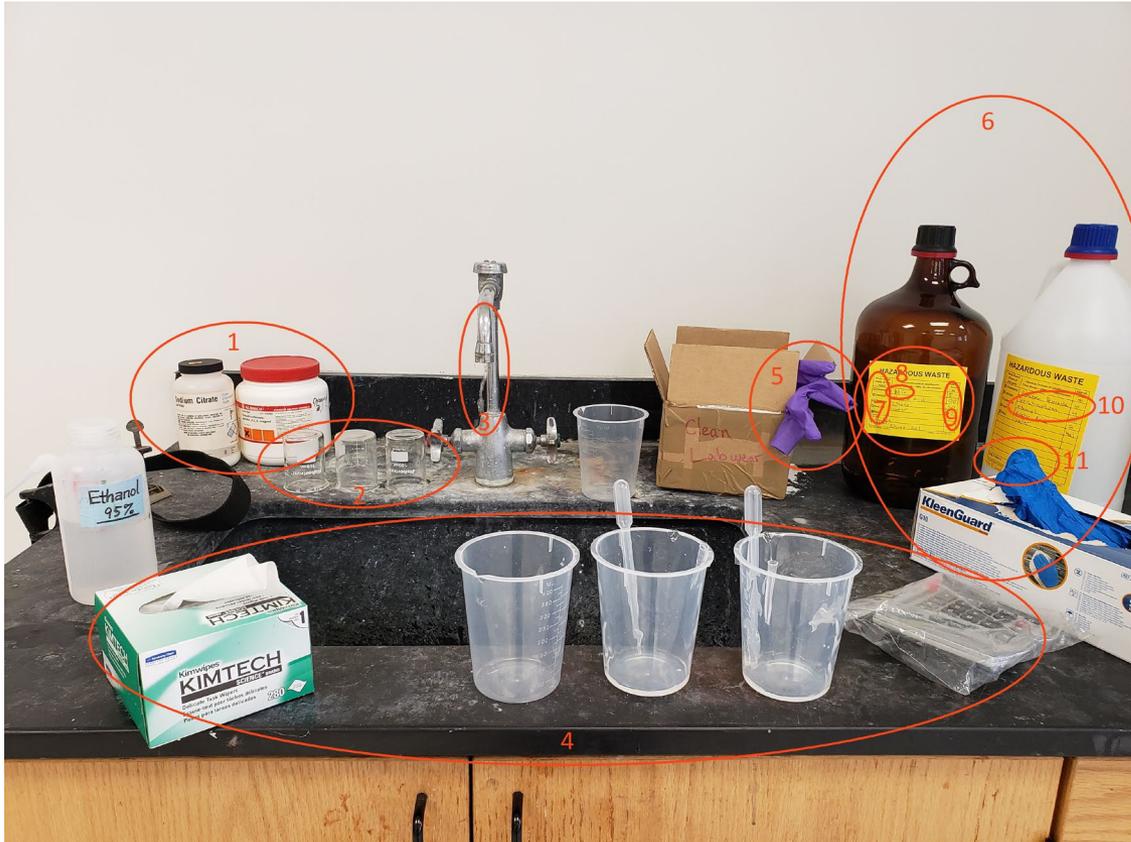
1. Gas cylinder must be secured
2. Non-flammable chemicals should not be stored in a flammable cabinet
3. Organic flammables should be stored separately from bulk solvents
4. Hazardous waste should not be stored in flammable cabinets and should be in a secondary container
5. Label is incorrectly filled out

Picture 3



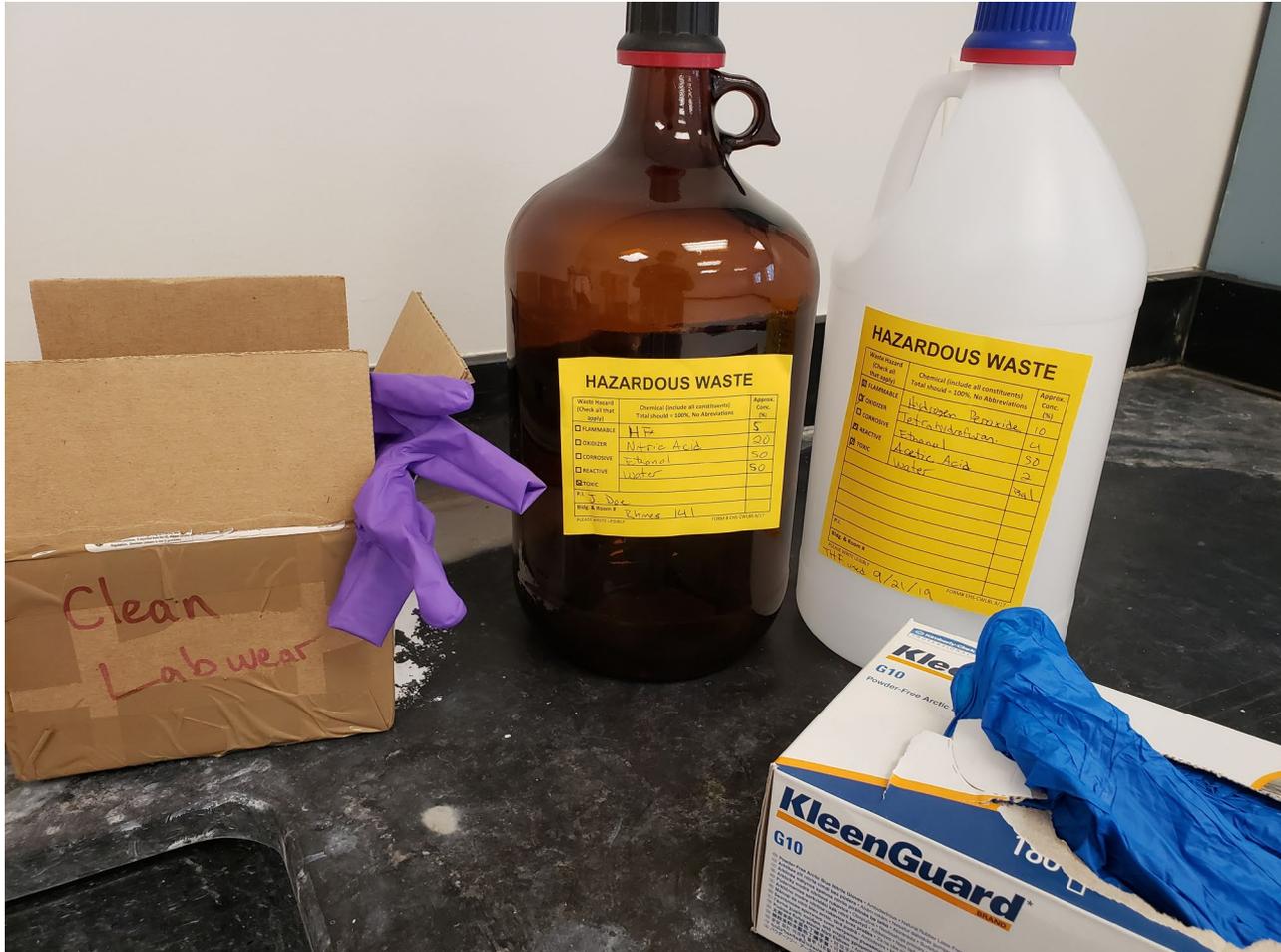
Can you spot the safety violations?

Picture 3 Answers

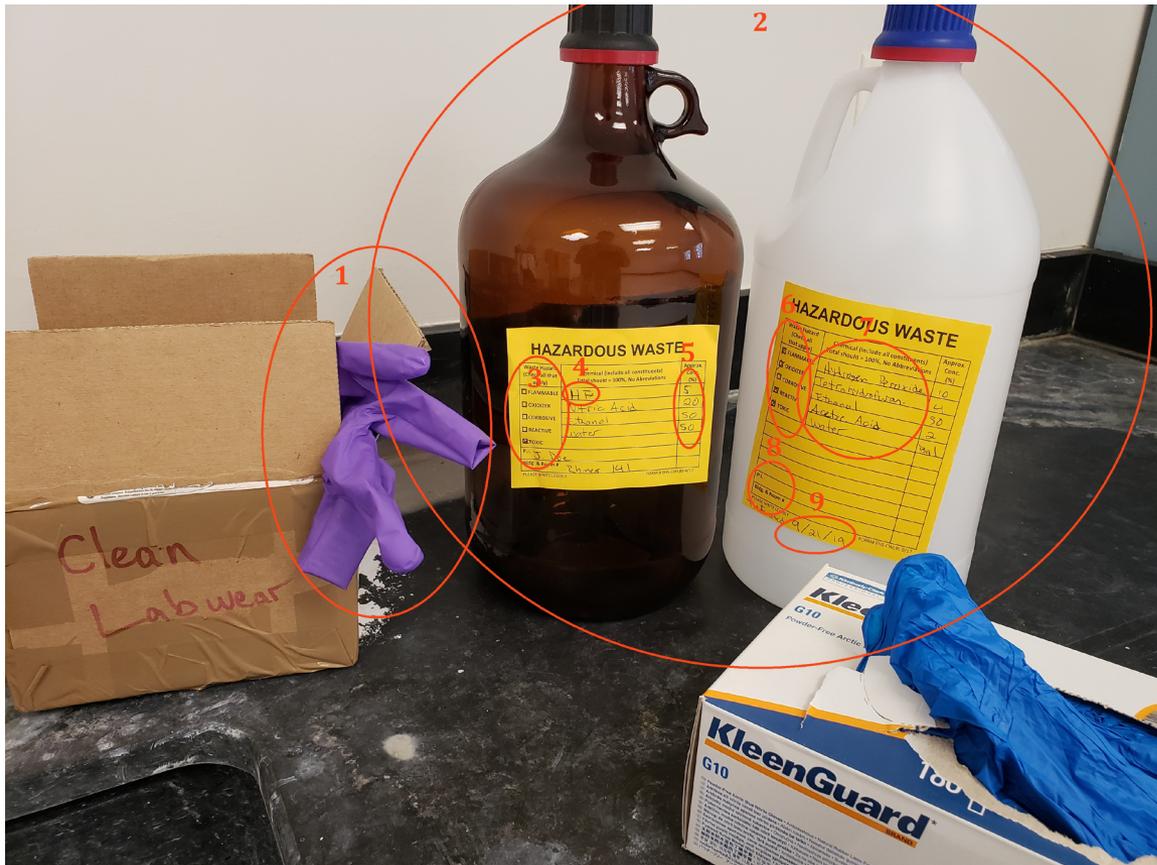


1. Chemicals should not be stored on counter near the sink
2. Glass wear should be dried on a drying rack or farther from the edge of the sink
3. Faucet is left on
4. Clutter should be cleared away from sink area
5. Clean lab wear should be in the container and not hanging over edges
6. Haz waste should only be stored in the accumulation area
7. Correct hazards are not selected
8. Chemicals should not be abbreviated on haz waste labels
9. Percentages should add up to 100%
10. No date label for the THF waste (6 months after use maximum)
11. Haz Waste label not correctly filled out

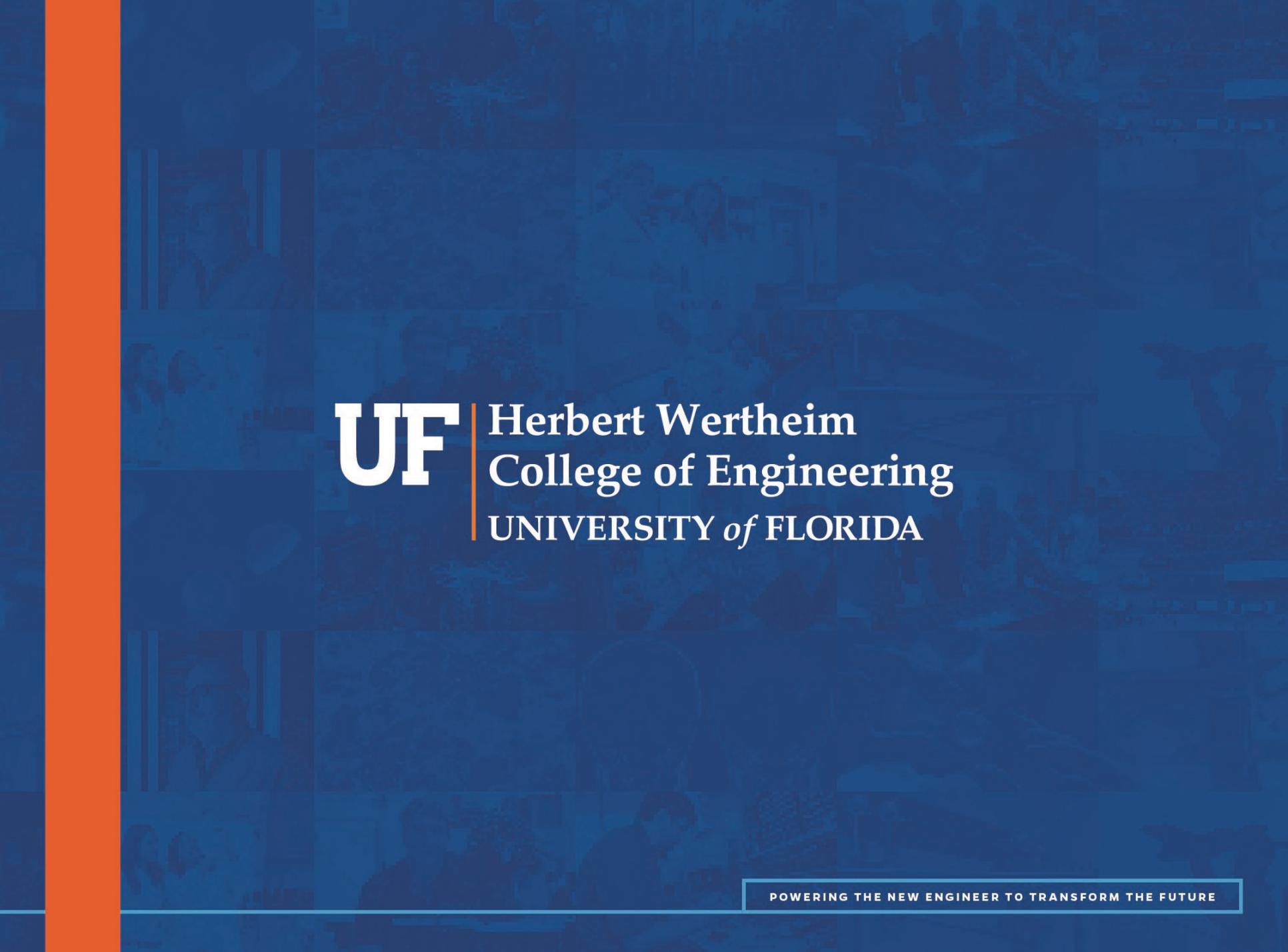
Picture 4



Picture 4 Answers



1. Clean lab wear should be in the container and not hanging over edges
2. Haz waste should only be stored in the accumulation area
3. Correct hazards are not selected
4. Chemicals should not be abbreviated on haz waste labels
5. Percentages should add up to 100%
6. Correct hazards are not selected
7. Incompatible chemicals should not be mixed in hazardous waste chemicals (Hydrogen Peroxide and Acetic Acid)
8. PI name and location not filled out
9. THF waste is over 6 months old and should be immediately picked up



UF | Herbert Wertheim
College of Engineering
UNIVERSITY *of* FLORIDA

POWERING THE NEW ENGINEER TO TRANSFORM THE FUTURE