

(REACTIONS) UNDER PRESSURE

1. Choose the right PPE



Safety goggles or
face shield



Lab coat and
gloves



Blast shield

Wear PPE appropriate for
the level of hazard!



2. Set up the reaction

Check the pressure rating of vessels by
their manufacturers before use!



Heavy walled
pressure vessels
Up to 10 atm



Heavy walled
J-Young tubes
Up to 2~3 atm



Typical
glassware
Slightly above 1 atm

3. Double check



Let me out!

Make sure your glassware has
NO CRACKS!



$$PV = nRT$$

Assess the amount of gas produced
and estimate reaction pressure