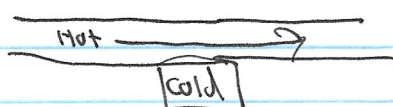
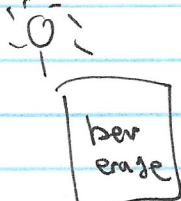


1.)  open

2.)  closed

5.) @ 80°C 101 kPa → ~~saturated mixture~~ ~~superheated~~
~~(higher pressure)~~ higher pressure: more liquid

6.) $\frac{0.025 \text{ m}^3}{0.25 \text{ kg}} = \boxed{0.1 \frac{\text{m}^3}{\text{kg}}} @ 1 \text{ MPa}$ $v^L < v^{\text{act}} < v^g$
 $q = .5$