

LAB #1

JANUARY 9 2012

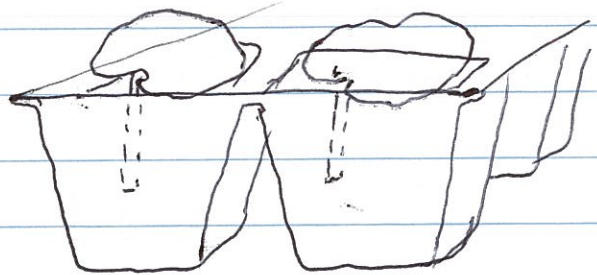
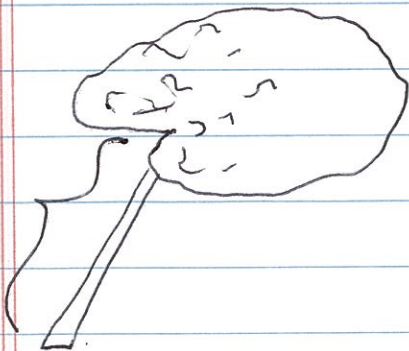
\* LAB ACTIVITY - LEAF/PETIOLE CUTTING

\* SCI NAME - Peperomia caperata

\* INITIATION - JANUARY 9 2012

- PLANTS WERE FROM PCC GREENHOUSE (EAST)
- SANDROCK BROUGHT IN PLANTS FROM LAST YEAR
- USING A RAZOR BLADE, I CUT LEAVES WITH  $\sim 1''$  PETIOLES FROM THE MOTHER PLANT. I DID 6 CUTTINGS
- POTS WERE RINSED IN A 10% BLEACH SOLUTION
- MEDIA WAS 2 COARSE PERLITE TO 1 PEAT BY VOLUME
- CUTTINGS WERE STUCK ABOUT 1 INCH DEEP IN 6-CELL PACKS (INDIVIDUALLY)
- CUTTINGS WERE PLACED UNDER MIST IN THE EAST GREENHOUSE. CYCLE = 9 a.m TO 5 P.M EVERY 20 MINUTES FOR 8 SECONDS
- AIR TEMP =  $71^{\circ}\text{F}$  MEDIA TEMP =  $68^{\circ}\text{F}$

$\sim 1''$   
PETIOLE



## \* MONITORING (LEAF PETIOLE CUTTING)

\* DATE : TIME: MARCH 5 2012

### \* OBSERVATIONS:

- CUTTINGS APPEAR HEALTHY. NONE HAVE ROTTED.
- THEY "STICK" WHEN TUGGED ON.
- UPON REMOVING A CUTTING IT HAS SMALL (~.5 TO .75 INCH) ROOTS WITH ROOT HAIRS FROM PETIOLE BASE
- I THINK ITS TIME TO REMOVE FROM MIST
- NO SHOOTS YET

### \* HYPOTHESES

- CUTTING WAS PROVIDED PROPER CONDITIONS FOR ROOTING
- \* ? - HOW WOULD TIME OF YEAR AFFECT SUCCESS?
- HOW WOULD HORMONE AFFECT ROOTING?