

LAB 10-B**TUBE SCENES**

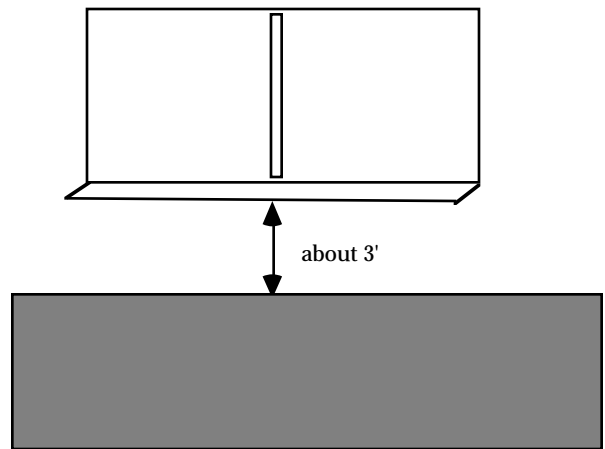
Name _____

Group members _____

Date _____

Materials: Tape measure, yard or meter stick, masking tape, toilet tissue cardboard tube

1. Use masking tape to secure a measuring stick vertically on the wall or chalkboard. Be sure it is about three feet off the floor.
2. Have team member A raise the tubing to his/her eye, keeping it parallel to the floor. Stand about three feet from the wall. Adjust your distance to the wall until you can see a portion of the measuring stick.
3. Report the range you can see. Do not move from your position. Have two other members of the group use a tape measure to measure the distance from the meter stick to your eye.
4. Record both measurements in the table below.
5. Have member A move closer to the wall until he/she can see only half the range. Measure the distance from the meter stick to your eye. Record the measurements in the table below.



Range of View	Distance from Meter Stick to Eye

6. Predict the distance you would have to be from the wall to see a range of only four inches.
Explain how you arrived at your answer.

7. Check your prediction by actually finding the best location.