

HUMAN EYE PUPIL DILATION INVESTIGATION

Name: _____

SUPERSTARWORKSHEETS

QUESTION:

How does light change the size of your pupil?

HYPOTHESIS:



MATERIALS:

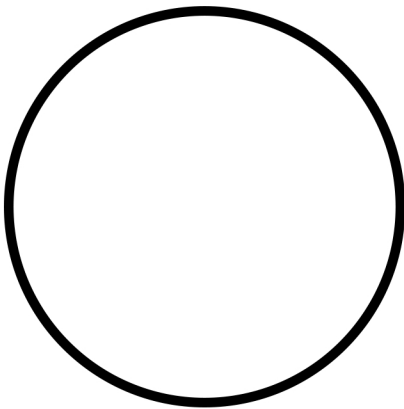
- ☐ 1 partner
- ☐ 1 room that can be dimmed, or a flashlight



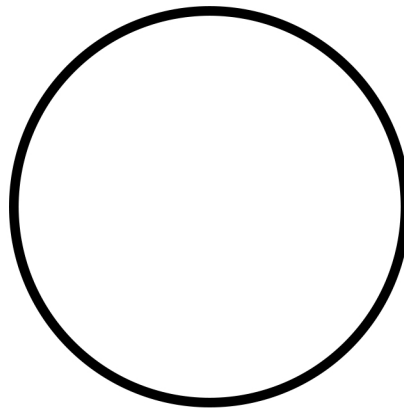
PROCEDURE:

1. Sit facing your partner in normal room light. Look closely at the size of their pupils.
2. Have your partner close their eyes and cover them gently with their hands for 30 seconds (or dim the room lights).
3. On the count of three, have your partner open their eyes (or turn the lights back on) while you watch their pupils closely.
4. Sketch what you observed in the two circles below: "Before" (normal light) and "After" (right after light returns).
5. Switch roles and repeat so your partner can observe your pupils too.

Before:



After:



OBSERVATIONS:

DATA:

Student Observed	Eye Color	Pupil Size Before	Pupil Size After
		small medium large	small medium large

CONCLUSION: