

Student Name _____ Date _____

THE MIRROR MAZE: DISORIENTATION IN SPACE

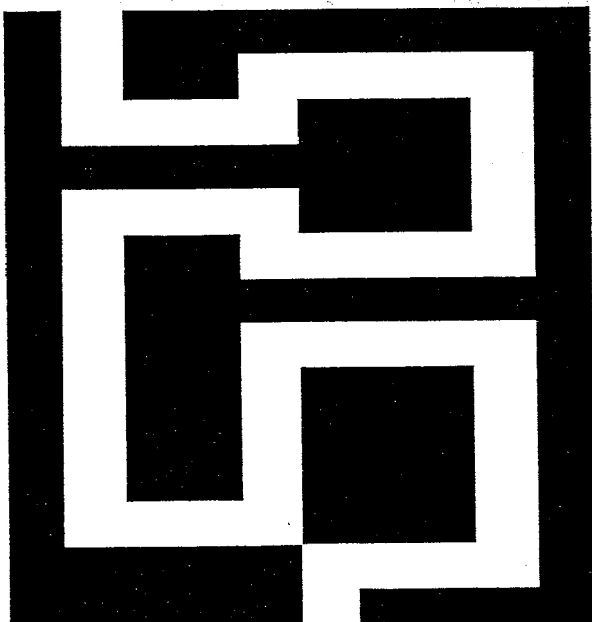
DIRECTIONS. Follow the directions to make your way through the mazes below. When finished, answer the questions on the next page.

Procedures

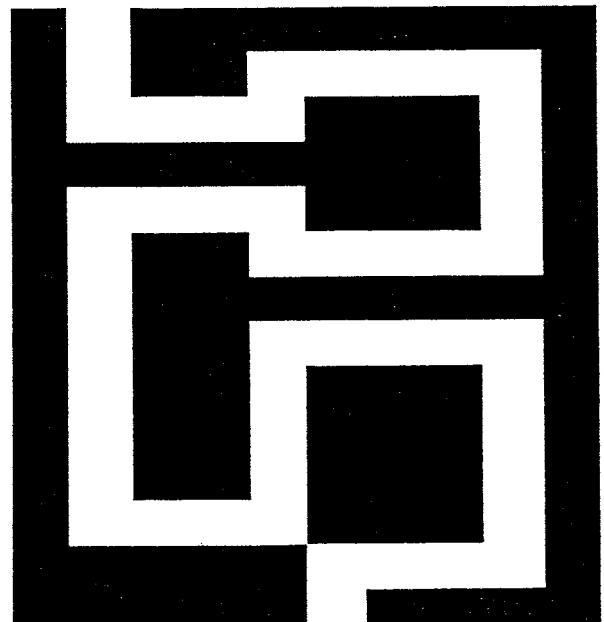
1. Have your partner time the number of seconds it takes to go from start to finish.
2. Take a pencil and trace a path through Maze A. Do not touch the sides of the maze and do not erase anything if you make a mistake.
3. Record your time and the number of times you touched the sides or went out of the lines on the table below.
4. Have your partner ready to time the number of seconds for Maze B.
5. Take a moment to predict the outcome and results for Maze B.
6. Using a mirror, trace a path through Maze B. Do not look directly at the maze. Only look at the maze through the mirror. Do not erase anything if you make a mistake.
7. Record the time and the number of times you touched the sides or went out of the lines on the table below.

	MAZE A (w/o mirror)	MAZE B (w/ mirror)
TIME (SECONDS)		
TOUCHED SIDE		

Maze A



Maze B



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1. What was your prediction for the results from Maze B?
2. Was your prediction correct? Explain.
3. If you repeated Maze B with the mirror, ten more times, would the time recorded increase or decrease? Explain.
4. How would your results from Maze B be affected if the maze was smaller, or larger?
5. Why would it be important for astronauts to practice for space walks and experiments before their mission?