



# Marble Maze

Name \_\_\_\_\_ Date \_\_\_\_\_

## Marble Maze Project Evaluation

(100 Possible Points)

- \_\_\_\_\_ 1. Project INPUT: (10 Points) Determine goal(s)
  - Established goals for the project to solve
  
- \_\_\_\_\_ 2. Project PROCESS: (10 Points) Brainstorming
  - Included sketches that show potential solutions to the problem
  - Sketches include written details about the design (measurements, descriptions, and functions)
  - Select the best design and give possible advantages and disadvantages
  
- \_\_\_\_\_ 3. Project OUTPUT: (20 Points) Final Planning
  - The final sketch is clean and neat and in pencil
  - Drawing uses color codes to show the different design elements
  - Text that includes measurements, materials and functions
  
- \_\_\_\_\_ 4. Project FEEDBACK: (20 Points) Testing and Evaluation
  - Reflection written describing success and failures of project
  - Reported the results of how the project demonstrated scientific concepts
  - Compared the results of their design to other solutions in class.
  - Redesigned and reported recommendations that could be made to improve your solution.
  
- \_\_\_\_\_ 5. Project PRODUCT: (40 Points) Completed Maze
  - Matched the final drawing
  - Built well and is neatly presented
  - Maze requirements met:
    1. Maze constructed on cardboard backing
    2. Tubes are attached to plates
    3. Five plates were used
    4. Entrance/Exit located in correct location
    5. First/Last plates extend 4" beyond backing
    6. Included one 9cm tube and one 5" tube.
    7. Material used to demonstrate friction
    8. Marble stops at the end of the maze