

## Matter Maze Worksheet

Names: \_\_\_\_\_ Period: \_\_\_\_\_

**Read before beginning:** Write both your names at the bottom and the top of this worksheet.

Using the materials at your table, you will build a matter maze. You can use the materials any way you like, you can even cut them; just make sure that the maze you build works, meaning the bead will be able to complete the track you design. **Do not cut the cardboard.** You will glue your maze between 2 pieces of cardboard with a bead inside. The bead will be able to roll through your maze. **Do not glue the bead.** You will create a diagram of the maze below so that once your maze is covered you will still be able to get the bead through the maze. Make sure to answer all the questions on the worksheet before you glue the second piece of cardboard to your maze to hide it forever!

1. List the matter you used in your maze. Include the quantity of each type of matter. If you cut any of it please use a fraction or decimal to indicate quantity of each material used (e.g.  $\frac{1}{2}$  or 0.5).

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2. On the bottom half of the back of this sheet (turn the sheet over), write an explanation of how the bead moves through the maze. Pretend you are explaining to someone who cannot see what the maze looks like.

3. Draw a diagram of the maze you created below. Label the diagram.

Names: \_\_\_\_\_