|  |  |
| --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Column Quest! | http://cliparts.co/cliparts/8Tx/K8M/8TxK8MKac.gif |

# The Scientific Method

Use the word bank below to put the steps of the scientific method in the correct sequence

Conclusion Experiment Hypothesis Question Share

1. We know that marble buildings are heavy. What we don’t know is: which shape column will hold the most weight. This is our \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. We will predict which shape is the strongest. This will be our \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. We will gather materials and then test the strength of each column by loading them with weight until they collapse. This will be our \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. We will record the data and figure out which shape column was strongest. This will be our \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. Once we have tested our hypothesis and analyzed the data, we can \_\_\_\_\_\_\_\_\_\_\_\_\_ our new theory!

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Our question for this experiment is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. My hypothesis for this experiment is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ will be strongest because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| http://mediaintro.teeks99.com/Introduction/DesignGraphics/elements-f03-en.svg.png |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_

# Column Quest & the Scientific Method

|  |  |  |
| --- | --- | --- |
| Question | Which shape column is the strongest? |  |
| Hypothesis | I believe the \_\_\_\_\_\_\_\_\_ will hold the most books because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |
| Experiment and Record Data | We will make 4 columns of each shape, and place weights on them.  |

|  |  |
| --- | --- |
| Shape | # |
| Square |  |  |
| Triangle |  |  |
| Circle |  |  |

 |
| Draw Conclusion | The shape that held the most books was \_\_\_\_\_\_\_\_\_\_\_\_\_. |  |
| Theory | The shape that is the strongest is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |

|  |  |
| --- | --- |
|  |  |