***Chemistry of Plastic Mold Injection***

1) Research plastic mold injection.

2) Research the emerging technology of “Carbon” 3-D printing.

|  |  |
| --- | --- |
| Question | Answer |
| 1. How many types of injection molding are there? List a few that you found. |  |
| 2. What is the key difference between injection molding and “Carbon” 3-D printing? |  |
| 3. Which process is currently faster? |  |
| 4. Can both processes be used together to make an even better product? Why? |  |
| 5. What material(s) are you going to use for your machine? |  |
| 6. Are there any materials you can think of that could be used in the “Carbon” 3-D printing process that you might be able to do something like this process at home? Why or Why Not? |  |

***DIY Plastic Mold Injection***

***Safety Instructions/Procedures to Follow:***

***Materials need for your DIY Plastic Mold Injection Machine:***

***Step-by-Step Procedure to Follow***

***Questions You Want Answered***

|  |  |
| --- | --- |
| ***Questions*** | ***Answers*** |
| 1. |  |
| 2. |  |
| 3. |  |
| 4. |  |
| 5. |  |