**Results of Meteor Impacts**  Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period: \_\_\_\_ Date: \_\_\_\_\_\_\_\_

Get a Chrome Book and go to: <http://down2earth.eu/impact_calculator/planet.html?lang=en-US>

Enter the values and record them below. “Submit” and see what happens, then record the resulting crater dimensions and kinetic energy.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Set-up Parameters | | | | | Results | | | |
| Trial | Projectile  Diameter  (m) | Trajectory Angle  (deg) | Projectile Velocity (km/s) | Projectile Density  (type and kg/m3) | Target  Density  (type and kg/m3) | Crater Width  (m) | Crater Depth  (m) | Kinetic  Energy  (joules) | Impact  Energy  (joules) |
| 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |

Logo

Description automatically generated