

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.

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