



# Arctic Impact

## Asteroid Impact Data Sheet #3

Table #1 Ice Asteroid

Trial #	Asteroid Diameter (m)	Trajectory Angle (°)	Object Velocity (km/s)	Crater Diameter (m)
1	1000	45	10	
2	↓	↓	20	
3			30	
4			40	
5			50	

Table #2 Porous Rock Asteroid

Trial #	Asteroid Diameter (m)	Trajectory Angle (°)	Object Velocity (km/s)	Crater Diameter (m)
1	1000	45		
2	↓	↓		
3				
4				
5				

Table #3 Dense Rock Asteroid

Trial #	Asteroid Diameter (m)	Trajectory Angle (°)	Object Velocity (km/s)	Crater Diameter (m)
1	1000	45		
2	↓	↓		
3				
4				
5				

Table #4 Iron Asteroid

Trial #	Asteroid Diameter (m)	Trajectory Angle ( $^{\circ}$ )	Object Velocity (km/s)	Crater Diameter (m)
1	1000	45		
2				
3				
4				
5				

**Crater Diameter vs. Object Velocity**

