

Name: _____ Date: _____
Physics

Worksheet

Egg Drop Project



Directions: Determine the velocity at impact, the impulse, force and the momentum of the egg drop project.

Christa needs to determine the momentum and impulse for her egg drop project. So, she collects the following data.

Trial	Vehicle Mass (g)	Egg Mass (g)	Distance (m)	Time (s)
1	122.9	57.0	1.00	.32
2	122.9	57.0	1.00	.37
3	122.9	57.0	1.00	.37
4	122.9	57.0	1.00	.34
5	122.9	57.0	1.00	.29
6	122.9	57.0	1.00	.33
7	122.9	57.0	1.00	.36
8	122.9	60.0	1.00	.35
9	122.9	60.0	1.00	.32
10	122.9	60.0	1.00	.31
AVE				

Calculations

_____ velocity at impact

_____ the impulse

_____ the force

_____ the momentum

**"Anyone who stops learning is old, whether at twenty or eighty.
Anyone who keeps learning stays young. The greatest thing in life is
to keep your mind young." - Henry Ford**