| Name:   | Per:<br>NERF GUN SC  |                 |            |
|---|----------------------|-----------------|------------|
| Think about the Nerf Gun lab and sketch the motion the forces acting on the dart during flight. |                      |                 |            |
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|   |                      |                 |            |
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|   |                      |                 |            |
| Explain how inertia and appropriate forces affect ground.                                       | the dart on its traj | ectory form the | gun to the |
|   |                      |                 |            |
|   |                      |                 |            |

| Explain what changes you would make if you repeated the lab to get more accurate results. Why do you think these changes would lead to more accurate data? Draw a diagram to be clear. | D |
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| What question do you think would be a next step if the lab was turned into an inquiry lab where you had to find relationships between forces and inertia? How would you set it up?     |   |
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