**PHYSICS Interaction Lab Data Sheet**

After each trial place a check in one of the three columns under magnitude and one of the three columns under direction.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Interaction | | | Forces | | | | | | |
| Trial | mass | push or | acc for A | Magnitude | | | Direction | | | |
|  |  | pull | +, - or 0 | A > B | B > A | A = B | Both + | Both - | + and - | |
| 1 | A = B | push | + |  |  |  |  |  |  | |
| 2 | A = B | push | - |  |  |  |  |  |  | |
| 3 | A = B | push | 0 |  |  |  |  |  |  | |
| 4 | A = B | pull | + |  |  |  |  |  |  | |
| 5 | A = B | pull | - |  |  |  |  |  |  | |
| 6 | A = B | pull | 0 |  |  |  |  |  |  | |
| 7 | A > B | push | + |  |  |  |  |  |  | |
| 8 | A > B | push | - |  |  |  |  |  |  | |
| 9 | A > B | push | 0 |  |  |  |  |  |  | |
| 10 | A > B | pull | + |  |  |  |  |  |  | |
| 11 | A > B | pull | - |  |  |  |  |  |  | |
| 12 | A > B | pull | 0 |  |  |  |  |  |  | |
| 13 | B > A | push | + |  |  |  |  |  |  | |
| 14 | B > A | push | - |  |  |  |  |  |  | |
| 15 | B > A | push | 0 |  |  |  |  |  |  | |
| 16 | B > A | pull | + |  |  |  |  |  |  | |
| 17 | B > A | pull | - |  |  |  |  |  |  | |
| 18 | B > A | pull | 0 |  |  |  |  |  |  | |