

Name \_\_\_\_\_

## Potential and Kinetic Energy of a Pendulum Experiment Worksheet

### Data Table

*Fill in the table completely. In the space below the table, show calculations for one of the trials.*

| Height above photogate, h         | 5 cm | 15 cm | 25 cm |
|-----------------------------------|------|-------|-------|
| Height of photogate sensor, $h_f$ |      |       |       |
| Height above table, $h_i$         |      |       |       |
| $m$                               |      |       |       |
| $PE_i$                            |      |       |       |
| $KE_f$<br>(calculated)            |      |       |       |
| $v_f$<br>(calculated)             |      |       |       |
| $v_f$<br>(experimental)           |      |       |       |
| Percent error                     |      |       |       |