

INVESTIGATING WITH A PENDULUM

A pendulum might help you better understand how **kinetic** and **potential energy** are both present in the swing set on the previous page.

To make a pendulum:

Tie a metal washer to the end of a 50-cm piece of string.

Hold the pendulum at the non-washer end.

Ask another student in your class to give the pendulum **potential energy** by moving the washer about 30 cm to the right or left.

Have your helper let go of the washer so it can swing.



TURN AND TALK

Energy transformations are taking place here.

1. Where?
2. When?
3. What happens if you just let the pendulum swing for awhile?
4. What happened to the energy?

