

CLOCK PENDULUMS

1 Stand up when you think exactly one minute has passed. Your teacher will keep time to see who comes closest.

Put all watches out of sight...

... get ready, get set, GO!

2 Now make a pendulum clock that ticks exactly 60 seconds in a minute.

a. Tie an arm-length thread to a paper clip.

b. Lightly fold a small piece of masking tape over the middle of the thread.

c. Slide the thread through the tape until you find a length where your pendulum swings exactly one cycle each second.

3 Repeat the class experiment in step 1. This time use your pendulum clock to keep time.

Hide your watches! Ready, set, GO!

4 Did your pendulum clock help you guess one minute more accurately? Explain.