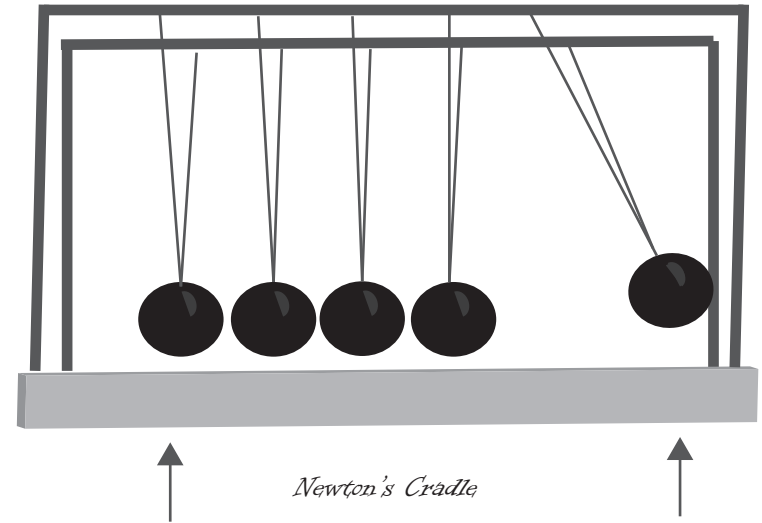
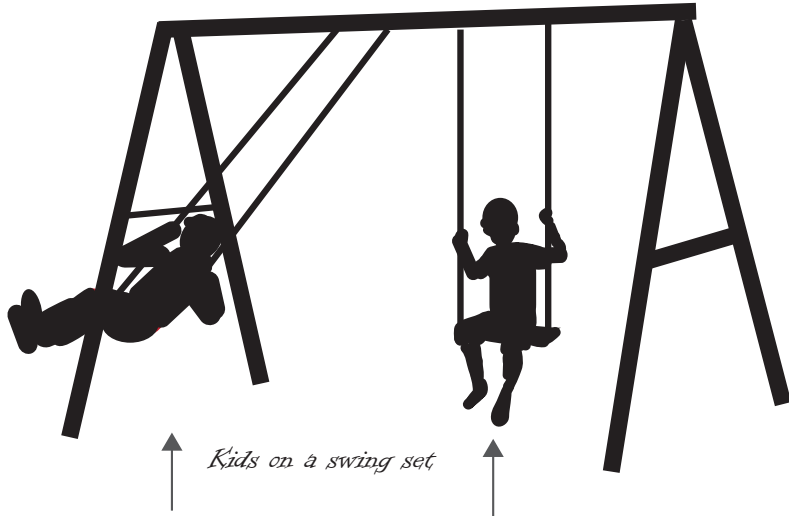


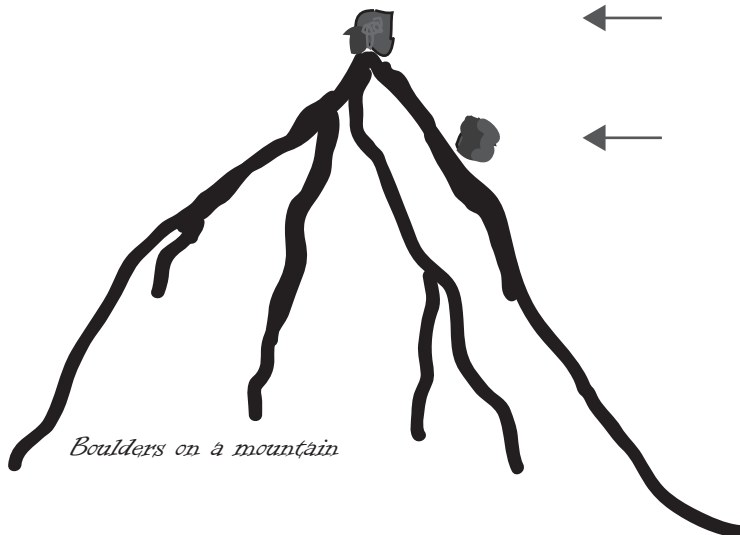
Compare potential and actual kinetic energy.



Actual Kinetic Energy

$$E_K = (1/2)mv^2$$

Gravitational Potential Energy



Light & Energy Information Pieces

ACTUAL LE-14
ACTUAL LE-14
ACTUAL LE-14
ACTUAL LE-14
POTENTIAL LE-14
POTENTIAL LE-14
POTENTIAL LE-14
POTENTIAL LE-14

Kinetic Energy = LE-14
$\frac{1}{2}$ LE-14
mass LE-14
X LE-14
velocity² LE-14

The energy of moving objects LE-14
Stored energy of non-moving objects LE-14

- To Make Your **MatchCard** more durable:
1. Put the student MatchCard in a clear plastic page protector.
 2. Laminate the information pieces. You can also make them sturdier by covering the paper with transparent tape prior to cutting the pieces out.
 3. For more ideas on how to use the MatchCards, and for keeping a notebook for review, see the Instructor's Guide.
 4. The Complete Light & Energy Unit Study provides the student worksheets, answer key, and teaching activities for this and 15 other objectives. See the website for more information.