



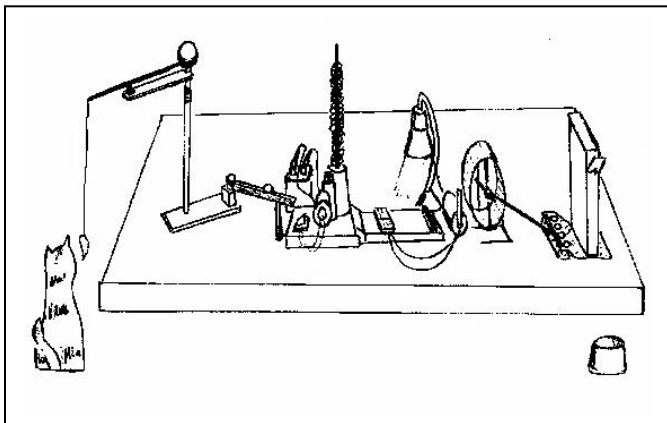
CAT-TRAPTION Cat-Traption explores different forms of energy and transitions between those forms. The lesson ideas link an online animation with worksheets and activities to help students understand energy forms. Cat-Traption Lesson was adapted from *Science in Focus: Energy* by Annenberg Media at www.learner.org

Suggestions for using Cat-Traption in your classroom:

CT Energy Education suggests using Cat-Traption after you have discussed energy forms and transitions with your students. The video animation provides quick-paced and engaging examples of transitions using a “Rube Goldberg” machine. CT Energy Education has created several worksheet for students to provide for off-line learning.

Cat-Traption Activities:

CAT-TRAPTION—WHAT HAPPENED? Challenge your students to watch the video animation and then explain what they think happened. The worksheet for students contains a “before” sketch. Students are asked to draw in changes, name the energy forms they see and causes of transitions.



The online animation at *Science in Focus: Energy* has questions that are interactive. If you prefer to give your students a printed copy, one is provided – Cat-Traption Action Question. The questions and answers are the same as those found on the *Science in Focus: Energy* website with the animation. (<http://www.learner.org/channel/workshops/energy/cattraption/catrunthru.html>)



Cat-Traption Extensions:

- Have students research Rube Goldberg and explain a “Rube Goldberg machine”
- Have your students make their own team or classroom “Rube Goldberg” machine with each member responsible for creating a unique energy element. Team members must collaborate with the students who have the step before and after his or hers to make a smooth energy transition.

Cat-Traption Resources:

Rube Goldberg Machine Contest

(<http://www.rube-goldberg.com/html/contest.htm>) : The National Challenge for 2006 is to Cut or Shred Into Strips 5 Sheets of 8 1/2" x 11" 20lb Paper Individually With a Shredder in 20 or More Steps Other challenges from past years are listed, including sharpening a pencil, putting coins in a bank, and making a cup of coffee.

Rube Goldberg links page: <http://www.rgmc.com/html/information.htm>

Feedback on Cat-Traption:

Share your suggestions to enrich, expand and improve this lesson. How did you use this lesson in your classroom?

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