

PHYSICS ENERGY EFFICIENCY 1.

1. Ask any questions about mechanical part of energy project.
2. Watch “Rube Goldberg” competition videos. Identify energy transformations and simple machines in each step. Predict where energy is “lost” or “wasted” along the way.
3. Identify energy transformations and efficiency loss in each of these “devices” by making a flowchart or systemic diagram:

Burning oil in a generator to make electricity for a toaster

Car burning gasoline to turn a crankshaft to make the car move.

Using oil? heat and an electric motor to heat water to take a shower.





