






What is the name of one of the A.S.U. presenters?

What is his or her subject major?

What are his or her aspirations?

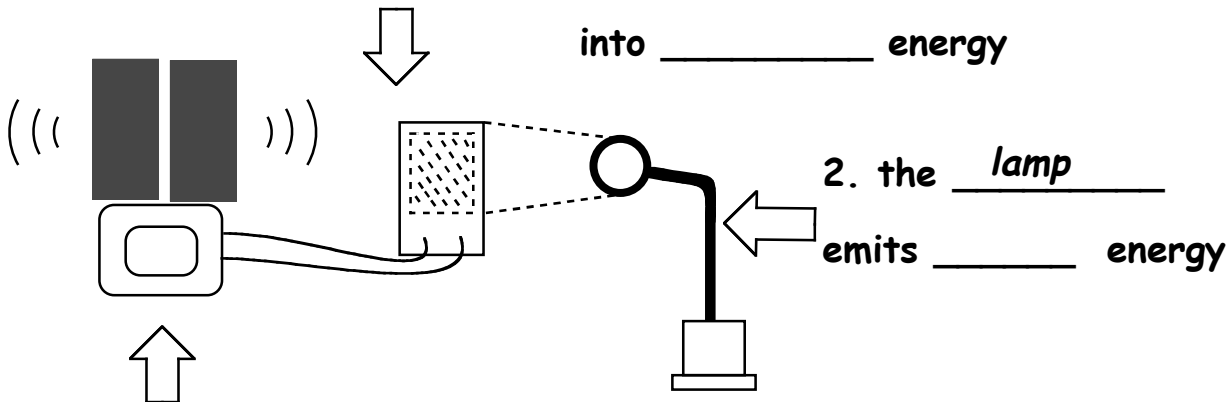
Some Kinds of Energy You Will Learn About Today

	Light Energy		Mechanical Energy
	Sound Energy		Electrical Energy
	Chemical Energy		

Light Powered Radio Demonstration

Complete the following three sentences:

1. the solar cell converts _____ energy
into _____ energy



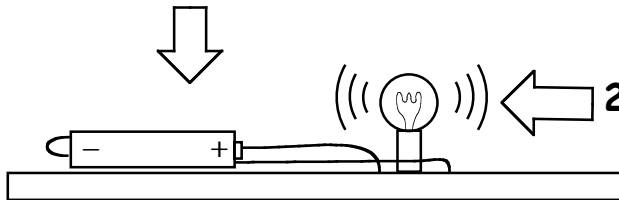
2. the lamp
emits _____ energy

3. the radio converts _____ energy
into _____ energy

Muscle-Powered Lightbulb

Complete the following two sentences

1. the battery converts _____ energy into _____ energy



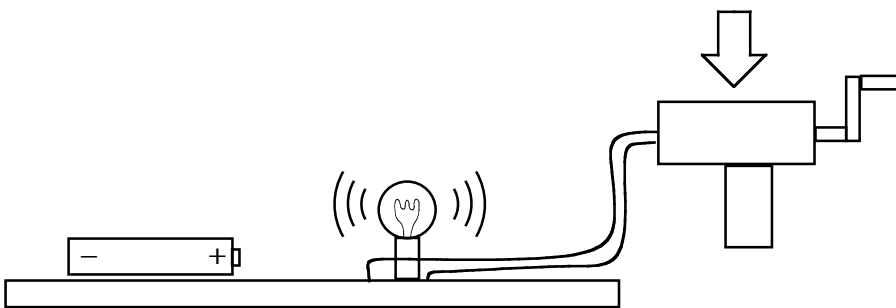
2. the lightbulb converts _____ energy into _____ energy

3. Where is the energy STORED to make the light work in this case?

4. What kind of energy is STORED?

Complete the following sentence

5. the generator converts _____ energy into _____ energy

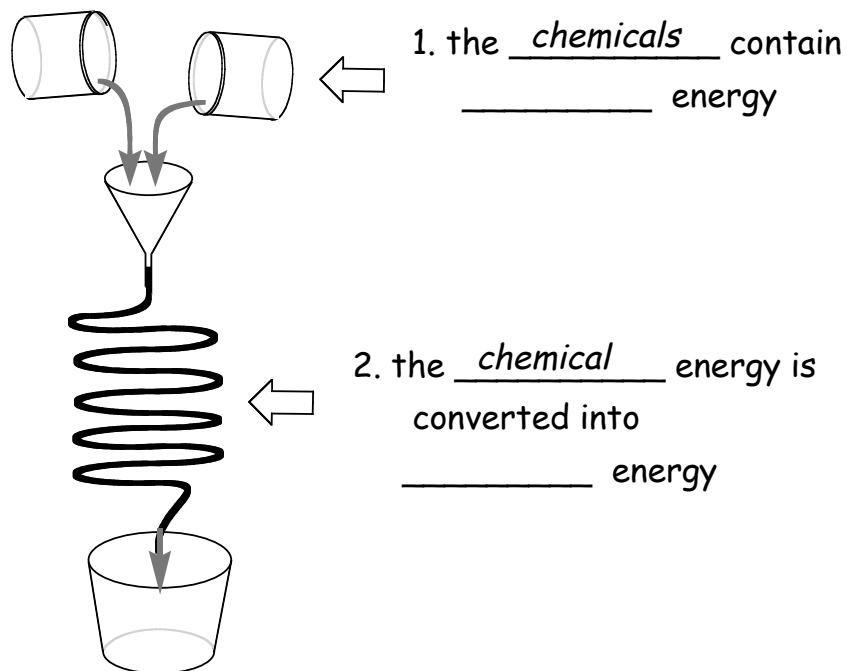


6. Where is the energy STORED to make the light work in this case?

7. What kind of energy is STORED?

Light Without Electricity Demonstration

Complete the following two sentences



3. Where is the energy STORED to make the light work in this case?

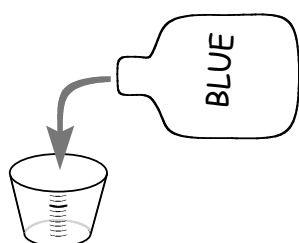
4. What kind of energy is STORED?

5. Give TWO examples of where you might expect to see glowing chemicals like these.

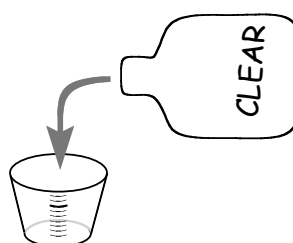
Experiments with Glowing Solutions

You will now do your own glowing experiments, mixing different volumes of the two solutions. Your goal is to see how long you can make the mixture *GLOW*!! Start by mixing equal volumes of each solution. After that, experiment with your own volumes of each solution.

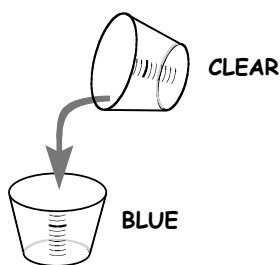
FOLLOW THESE INSTRUCTIONS CAREFULLY!!



1. Measure the BLUE solution.
USE A NEW MEASURING CUP

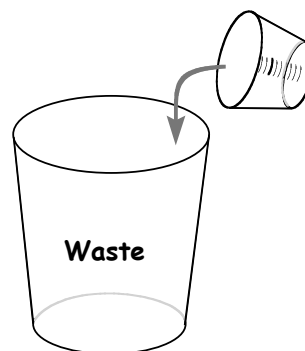


2. Measure the CLEAR solution
REUSE THE SAME CUP



3. WAIT UNTIL INSTRUCTED
then add the CLEAR to the
BLUE solution

*count the
approximate
number of
seconds that
the solution
GLOWS!*



4. Pour the solution into
the waste container
REPLACE THE LID

Use this chart to keep careful **SCIENTIFIC** records of your experiments!

1. What volumes of the solutions gave the longest glow time?

Other Forms of Energy

1. Give one example of energy conversion in the classroom

2. Where does all of our energy on earth come from?

3. Give an example of how you might conserve energy at home.

Question for the ASU students?