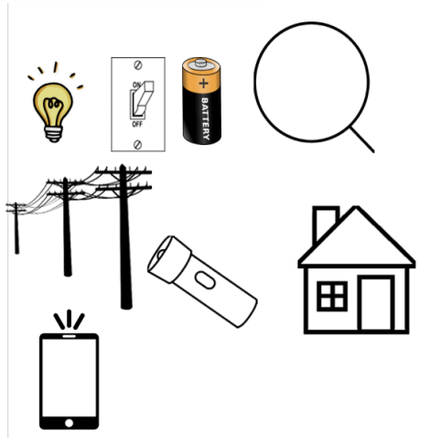
Instructions: Complete the model below using words and/or drawings. You can complete the model below in OneNote, or open up the Word document, print the model out or complete the model on some scratch paper and insert a picture of your work below!

Big question: **"When there is power outage in the area, why/how can flash lights create light energy but your light switches won't?"**

Goal: Create an initial model that helps explain your understanding of the answer to the big question using your background knowledge without searching answers. The model is just to get your first ideas out on paper, we are not aiming for "correct answers". We'll make our models better and more accurate as we learn more concepts. There are MANY different ways to show your ideas.

Model: (In each phase, ***draw and label*** with words what you can see and what you think might be happening that you can't see.)

Goals for Our Models	Flashlight will produce light	Overhead Lights will not produce light	Questions & Wonders

• **Label every energy transfer and transformation**
• Your model should attempt to explain
  • **HOW** we think energy is created, transported, and transformed
  • **WHERE** we think energy comes from
  • **WHY** we think energy flows in the direction it does
  • **WHAT** we think each element's role is
 	
<u>Possible Model Elements</u>
 
 	
			What do you wonder about? What do you need to learn to make you model complete?

<u>Conclusion:</u> Your answer to the big question using Claim, Evidence and Reasoning. Use complete sentences.

Claim (Answer to the big question):

Evidence (Science facts, data, etc.):

Reasoning (How evidence supports your claim):

Summary Table

Name of the activity/lesson	Concepts you have learned from the activity/lesson	How it connects or explains the phenomenon