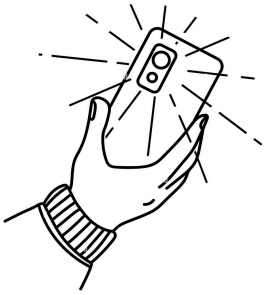
Required Vocabulary:

- ☐ Catalyst
- ☐ Concentration
- ☐ Iodine
- ☐ Titanium Dioxide
- ☐ Electrons
- ☐ Voltage
- ☐ Concentration
- ☐ Temperature
- ☐ Collisions
- ☐ Solar energy
- ☐ Electrical energy

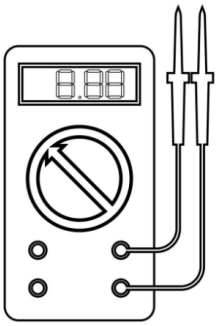
Optional Vocabulary:

- ☐ Circuit
- ☐ Activation energy
- ☐ Bonds
- ☐ Chemical energy

Extra Scaffolding (modelings using provided visuals):



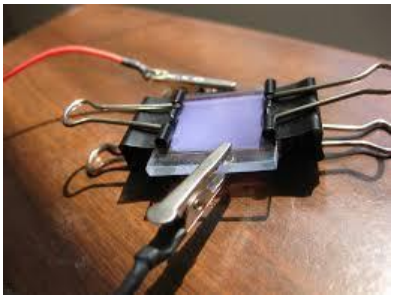
Light Source



Multimeter



Semiconductive plates



Fully assembled Solar Cell

Model for Reference or Peer Review:

GENERAL MODELING RUBRIC				
Category	Advanced (4)	Proficient (3)	Needs Improvement (2)	Score
Components of the Model	• *clearly* and *properly* labels and illustrates ALL of the essential components of the model	• labels and illustrates MOST of the essential components.	• components are *missing* and/or *improperly* labeled and/or illustrated.	
Relationships among components (and Scientific Reasoning)	• *accurately* defines the relationship among the components of the model. • Relationship ties to the phenomena This will likely be a cause and effect relationship.	• *reasonably* defines the relationship among the components	• *inaccurately* defines the relationship among the components, or *shows no or very little relationships among components*.	
Scientific Connections (**major concepts**)	• *Model clearly* connects the model to the phenomena and scientific theories **OR** • *Overall model has the capacity* to predict outcomes of similar phenomena (the model has Predictive Power!)	• *reasonably* connects the model to the phenomena and/or scientific theories	• *incoherently* connects the model to the phenomena and/or scientific theories	
Notes: Students can add their 2 stars and 2 wish takeaways or reflection on here using the sticky notes they gathered.			Total	/12