

Alternative Energy Evaluation

The first step in this unit is to evaluate what you already know and what you don't. You will develop or improve the skill and knowledge targets below during this unit. As the instructor, I will also evaluate your skills when you finish.

1: No Exposure Never heard of it. Has no information or practice. Complete training needed.	2: Exposure Only Heard of it but never used it. Need general information, practice time, and close supervision.	3: Moderately Skilled Pretty much have it down. Has performed independently during practice. Need additional practice/review.	4: Skilled Can do it every time. Can perform independently with no additional help or practice. Knows by heart.
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For each skill listed, rate yourself using the following scale.

Assignment	Skill Target	Self-Rating Start	Self-Rating End	Instr. Rating End
Fuel Cell quiz	I can describe how a fuel cell works			
Carbon Footprint	I can describe how much carbon I use relative to others on Earth			
Water Calculator	I can determine how much water I use relative to others on Earth			
Energy Comparison	I can compare different sources and technologies of energy used today			
Horse & Buggy	I can describe the history of energy use			
Observ. Pred. & Questions	I can write O,P, & Questions concerning fuel cell cars			
Greenhouse Hamburger	I can explain how foods we eat can cause greenhouse gases			
Solar Panel Orientation	I can generate data to show how solar cells work best			
Simple Electrolysis & Wrksht	I can demonstrate electrolysis & analyze how it is being done			
Solar Cell Experiments	I can make various motors run on solar cells			
Series Wirings	I can show how to wire solar cells			
Solar Fountain	I can show how to make a fountain work using solar cells			
Fuel Cell Types	I can make a graphic organizer of fuel cell types			
Fuel Cell Cars	I can build a fuel cell to run 40 feet			
Photobiologicals	I can explain how fuel cells can use microbes			
Microbial Fuel Cells	I can build a microbial fuel cell			
Water Wheels	I can make a water wheel & explain how it makes energy			
Fuels for Everything	I can make a concept map about how conventional fuels are used			
Alternative Energy	I can make a concept map about how alternative energies are used			
The Great Energy Debate	I can take & defend a point of view, finding advantages & disadvantages			

Student _____ Date Credit Issued _____ Initials _____
 08/09

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