Grade 9 Unit D: Electrical Principles and **Technologies**



Energy Inputs and Outputs

Identify the forms of energy inputs and outputs for the following household devices.		
	furnace	
	Inputs:	
	Outputs:	
80° 6	hot water heater Inputs:	
	inputs.	
	Outputs:	
	refrigerator	
i i	Inputs:	
F	Outputs:	
HTTD:		
	wood stove	
	Inputs:	
	Outputs:	
	Odipolo.	

	Comparison of the Input and Output	
furnace		
hot water heater		
refrigerator		
wood stove		
3. In a group, discuss the following question:		
How can household devices use less energy to create the same output?		
Summarize key points from your discussion below.		

2. For the household devices listed in the previous question, compare the inputs and

cooling do you get for that energy or fuel?

outputs. How much energy or fuel does it take to use the device? How much heat or

- 4. Investigate and describe what an "Energy Star®" rating means and how devices qualify.
- Investigate and create a brochure called "Ten Ways to Save Energy at Home". Include ten tips for saving energy, such as using energy-efficient products such as energy-efficient light bulbs and front-loading washing machines.





Create an action plan that describes what can be done to save electricity in your household, school or workplace.

Examples:

- Turn off lights.
- Turn off the television when you are not watching it.



