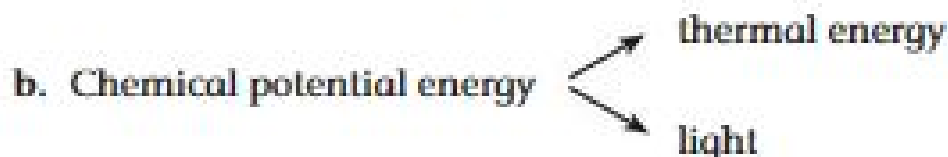
	Topic/Objective: The Conservation of Energy	Name:
		Class/Period:
		Date:

Essential Question: What is the guiding principle behind the behavior of energy?

Questions:	Notes:
	P1: Energy is never “used up” instead it is...
	into another...
	P2: The energy in oil comes from... The energy in
	Plants originally came from... while the energy in animals comes
	from... . When oil burns, the...
	energy is ...
	P3: not all of the chemical potential energy from the oil was released as thermal
	energy. Some of the potential energy was released as...
	“Lost energy” is really...
	P4/5: The Law of Conservation of Energy is...
	P6: This type of energy is almost always lost during an energy transformation...
	An example of this is...
	P7: This type of energy is the most difficult to convert into useful energy...

1. Which of the following diagrams accurately applies the Law of Conservation of Energy to a toaster in use? Explain your choice.



Choose which choice, a or b, and explain using complete sentences.

2. Your friend tells you that a “generator makes electricity.” Do you agree or disagree with her statement? Explain why in terms of the Law of Conservation of Energy.

[illegible]

Highly Proficient	Proficient	Close to Proficient	Developing
<ul style="list-style-type: none"> ❑ Efficiency can be explained thoroughly. ❑ Answers show an advanced knowledge of the Law of Conservation of Energy.. 	<ul style="list-style-type: none"> ❑ Activity is complete. ❑ Can apply Law of Conservation of Energy to various situations ❑ Law of Conservation of Energy is understood. 	<ul style="list-style-type: none"> ❑ Lab is incomplete ❑ Answers lack enough detail and evidence to show strong understanding of Law of Conservation of Energy 	<ul style="list-style-type: none"> ❑ Little to no knowledge of energy is shown ❑ not attempted