

Assessment Rubric

Energy

Student's Name: _____ Assignment: _____ Level: _____

	Level 1	Level 2	Level 3	Level 4
Understanding Concepts	Demonstrates a limited understanding of concepts. Requires teacher intervention.	Demonstrates a basic understanding of concepts. Requires little teacher intervention.	Demonstrates a good understanding of concepts. Requires some teacher intervention.	Demonstrates a thorough understanding of concepts. Requires no teacher intervention.
Analysis & Application of Key Concepts	Limited application and interpretation in activity responses	Basic application and interpretation in activity responses	Good application and interpretation in activity responses	Strong application and interpretation in activity responses
Creativity and Imagination	Limited creativity and imagination applied in projects and activities	Some creativity and imagination applied in projects and activities	Satisfactory level of creativity and imagination applied in projects and activities	Beyond expected creativity and imagination applied in projects and activities
Application of Own Interests	Limited application of own interests in independent or group environment	Basic application of own interests in independent or group environment	Good application of own interests in independent or group environment	Strong application of own interests in independent or group environment

STRENGTHS:

WEAKNESSES:

NEXT STEPS:

NAME: _____



Other Forms of Potential Energy

Answer the questions in complete sentences.

3. Why is coal a nonrenewable source of energy?

4. Why is solar power a renewable source of energy?

Extension & Application

5.

a) Use the chart on the next page to classify the kinds of energy listed below as **renewable** or **nonrenewable**. Write the names of the renewable energy forms in the left side of the chart. Write the names of the nonrenewable forms in the right side of the chart.

coal	hydroelectric	natural gas	nuclear
oil	solar	wind	wood

b) Choose *one* energy source from the renewable list. Describe a problem with using it.

c) Choose *one* energy source from the nonrenewable list. Describe a problem with using it.



Find all of the words in the Word Search. Words are written horizontally, vertically, diagonally, and some are even written backwards.

ANGLE

LIGHT

SOUND

CHEMICAL

MECHANICAL

SOURCE

ENERGY

MEDIUM

TEMPERATURE

FREQUENCY

NUCLEAR

THERMAL

FUEL

PITCH

TRANSPARENT

HEAT

REFLECTION

ULTRAVIOLET

INFRARED

RENEWABLE

WIND

IMAGE

SOLAR

XRAY

SAMPLE

U	B	T	R	A	N	S	P	A	R	E	N	T
L	C	D	H	F	G	H	J	K	L	M	N	O
T	S	R	T	G	Q	P	W	I	N	D	C	N
R	O	M	D	I	U	M	R	E	X	L	Z	
A	U	S	M	I	V	L	W	E	W	C	E	B
V	R	H	P	G	A	Y	F	F	A	D	A	X
I	C	H	E	M	I	C	A	L	B	L	R	R
O	E	L	R	J	K	N	D	E	L	M	H	A
L	H	E	A	T	N	E	P	C	E	C	R	Y
E	H	U	T	Q	R	U	R	T	T	A	G	I
T	S	F	U	A	E	Q	T	I	L	R	M	V
W	X	Y	R	Z	L	E	P	O	E	A	B	C
K	J	F	E	H	G	R	S	N	G	G	F	D
D	N	U	O	S	N	F	E	E	L	M	N	P
I	M	E	C	H	A	N	I	C	A	L	R	Q

Temperature Scales

