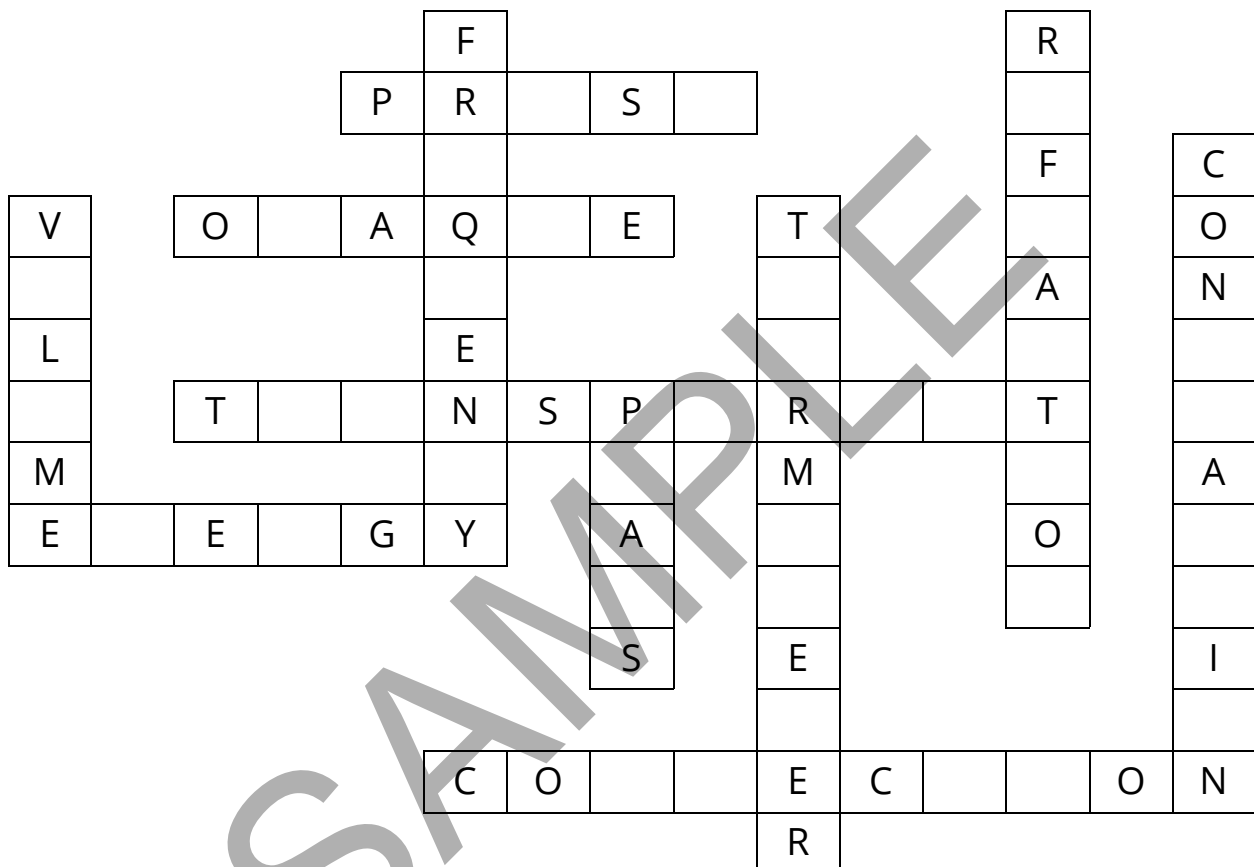


Energy and Its Many Forms

Terms to Be Familiar With

At the bottom of the page is a word bank of terms you will see and hear often as you study energy. Fill in the letters where necessary to complete the puzzle about energy.



energy	opaque	peaks
prism	contraction	volume
refraction	thermometer	frequency
transparent	convection	

Energy and Its Many Forms

Match the Terms and Definitions

Match each term to its definition.

- | | |
|----------------|---|
| ___energy | a. when an object does not allow any light to pass through |
| ___transparent | b. breaks light down into its different wavelengths, or colors |
| ___peaks | c. used to measure the degree to which something is hot or cold |
| ___opaque | d. amount of loudness in a sound |
| ___contraction | e. what is needed to push or pull things over a distance; a force that makes things move and do work |
| ___prism | f. high points of a sound wave |
| ___convection | g. when light moves from one medium to another, such as from air to water, it changes speed and appears to bend |
| ___thermometer | h. how many peaks of a wave pass a certain point in a specific amount of time |
| ___frequency | i. when an object allows light to pass through it freely, like a window pane |
| ___refraction | j. movement of heat by making another object move |
| ___volume | k. when particles that have moved apart because of heat, cool and move closer together |

Energy and Its Many Forms

More Energy Terms

Decode more energy terms you will hear about in your studies. Follow the directions for finding each letter. For example, if the directions say Across 4, Down 3, (A4-D3), follow the Down row 3 over to Across column 4 and find the letter e. In the instructions, we will use A for Across and D for Down.

		Across				
		1	2	3	4	5
Down	1	j	d	i	w	z
	2	u	l	n	y	p
	3	k	q	o	e	m
	4	t	v	h	c	r
	5	g	a	f	b	s

1. _____
A2-D4 A3-D3 A2-D2 A1-D4 A2-D5 A1-D5 A4-D3

2. _____
A2-D2 A3-D1 A1-D5 A3-D4 A1-D4

3. _____
A5-D5 A3-D3 A1-D2 A3-D2 A2-D1

4. _____
A2-D5 A1-D4 A3-D3 A5-D3 A5-D5

5. _____
A5-D5 A4-D1 A3-D1 A1-D4 A4-D4 A3-D4

6. _____
A3-D4 A4-D3 A2-D5 A1-D4

Energy and Its Many Forms

Draw an Electric Circuit

Using the top grid as a pattern, draw the electric circuit in the grid at the bottom of the page.

