Vame.			

Intervention 4.1 CDE

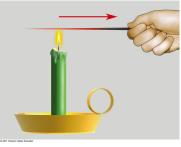
I can describe how energy spreads from its source, compare the transfer of heat, and demonstrate how white light is separated into colors.

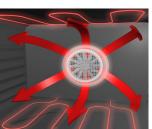
Use pages 131-139 in your Integrated Science textbook (the paperback book with the Octopus) to answer the following questions.

	Visible light is transferred by	/			
2.	Visible light consists of a ra	nge of wavelengths. Th	ne	determines the color t	he li
	appears.				
3.	Light with the LONGEST wa	avelength is			
4.	Light with the SHORTEST wo	avelength is			
5.	A can be	e used to separate whi	te (visible) light into co	olors.	
6.	A prism is a	shape.			
7.	When light passes through	a prism, the change in $_{ extstyle -}$	ca	uses the light to	_
8.	Different wavelengths bend	d at different angles and	d separate the light in	to different wavelengths. Who	at w
	see is a	of colors.			
9.	Waves move energy	from an energ	gy producing source.		
10	. The vibrations spread throu	ugh the air in		. away from the guitar string as	s wc
11	. Seismic waves are the ener away from their source.	gy from earthquakes. S	eismic waves move	in all direct	ions
12	. Sound waves are	waves.			
			then	then	
	waves of	, -			
	. Light waves do not require			ouah .	
				les of matter that are touchin	ıg.
	ar				
17				movina through a fluid (liquid	Or (
		. IS THE TRAINSPER OF THE HIR			
18	. Draw a picture of convecti				
18	·				
18	·				
18	·				
18	·				
18	·				
18	·				
18 19	·	On			
18 19	Draw a picture of convecti	On		C.	
18 19 20	Draw a picture of convecti	on thermal energy through B.	many fluids, including:	C.	

Label the following as convection, conduction or radiation.













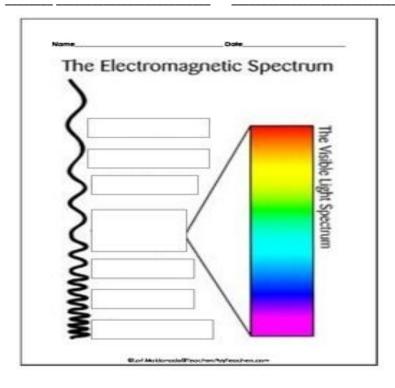












Using the diagram on the left, label the different types of energy in order and circle the one with the least amount of energy.

Word Bank

Gamma Rays, Visible light, Infar-red, Radio waves, X-rays, Ultra-violet, Microwaves