ĸ	С	A	т	=	/63		%		Name:				_	
28	3	8	24	<u>Cli</u>		<u>rade Te</u> Quiz - 1			otes					
1.	Т	his	quest	ion i	ls rela	ated to	clima	te vs	weather					
a)				lersto Explai		nsidere	d an e:	xample	of clir	nate	or			
													_	
b)									observe ? Expla:		ау	early	Y	
														/4
2.	W	hat	is th	ne mos	st comr	mon gre	enhous	e gas	on earth	n?				
									house ei effect		or	for	_	
		hat bsen		l happ	ben to	the ea	rth if	this	greenhou	use g	as w	as	_	
														/3
3.	W	hat	is tł	ne sec	cond mo	ost com	mon gre	eenhou	se gas d	on ea	rth?			
	g	as o	ver t	he la	ast 150		. How	has t	(i.e. ar his affe			this	5	
														/3
4.		-				n Weste rther n		ope mi	lder the	en it	is	here,	,	
													_	10
									2	K	С	A	т	/2
												1		323

K	С	A	т
12			

5. Complete this table to show all types of electromagnetic radiation in order from most energetic to least energetic. Include one use or danger for each type of radiation. Use the word list on the next page to help with remembering the types of radiation.

			Type of Radiation	Uses and/or Dangers
		th		
Energy	Frequency	Wavelength		
High	High	➡ Short		
ENERGY →	ENCY →	WAVELENGTH		
t	FREQUENCY			
Energy	ency 🗲	ength ←		
Low	v Frequency	r Wavelength		
	Low	Long		

K	С	A	Т
16			

6. PLACE THE LETTER for each word in front of the description that it BEST SUITS!

				,
type of radiation that can be used to warm food.	A	Anthrop	ogen	ic
is the second most common greenhouse of on our planet.	^{gas} B	Atmosph	ere	
type of radiation that can efficiently transport heat from one location to another.	c	Carbon dioxide		
is an average of temperature, precipitation and wind over a long per of time.	riod D	Carbon footpri	nt	
type of radiation that is responsible sun burns as well as vitamin D product in your skin.		Carbon	sink	
refers to anything that has a source : human activity.	in F	Climate	2	
any process that absorbs and traps carbon.	G	Convect	ion	
all gases that exist above the surface the earth.	e of H	Gamma r	ays	
the amount of carbon dioxide produced a person, an industry or a country.	by I	Greenho gases	ouse	
all of the water found on earth includ the water found in the atmosphere and underground.	_	Gulf st	ream	
the most common greenhouse gas on our planet.	K	Hydrosp	here	
any gases that are able to trap infran radiation and prevent it from escaping back into space.		Infrare	d	
the highest energy and most dangerous form of electromagnetic radiation.	м	Light		
an ocean current that is responsible of making the climate in Europe more moderate that North America.	of N	Microwa	ve	
method of heat transfer that takes pla on earth using either wind or water currents.	ace O	Radiowa	ves	
the lowest energy form of electromagner radiation.	etic P	Ultravi	olet	
is the given temperature, precipitator and wind conditions at any moment in time.	n Q	Water v	apou	r
a form of electromagnetic radiation th	nat R	Weather		
you can see.				

19

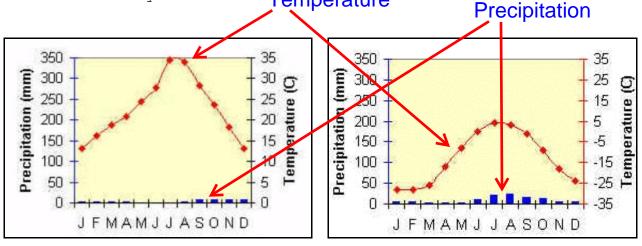
т

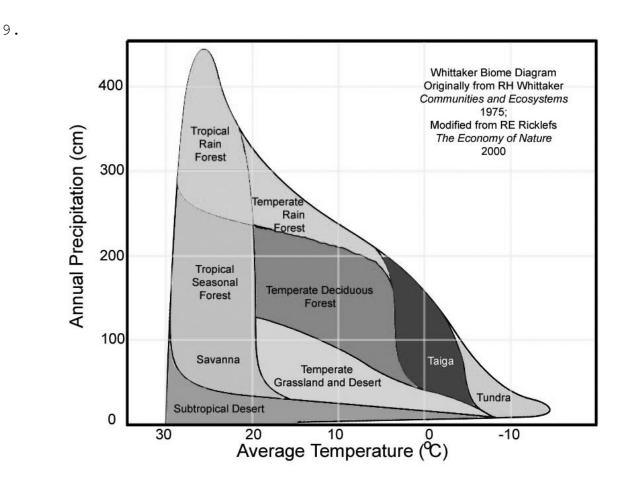
- 7. Draw a diagram to explain how the greenhouse effect works. Add words and short explanations as appropriate. Please include key terminology such as:
 - solar radiation
 - infrared radiation
 - greenhouse gases
 - reflected ...
 - escaping ...

TURN THE PAGE SIDEWAYS BEFORE YOU BEGIN

ĸ	С	A	Т
	3		5

Look carefully at the two climatographs below. Describe the 8. biome/habit that you would expect for each climatograph. Give reasons for your choice. Temperature





Using the number only, place each location in the correct biome. Please note that the Taiga biome is another word for Boreal Forest:

(1)2 Toronto - Ontario Vancouver - British Columbia 3

St John's - Newfoundland 4Cambridge Bay - Nunavut /4

/4

ĸ	С	A	Т
		20	
		8	