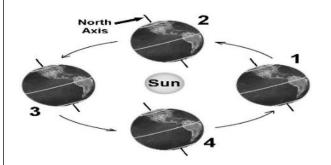
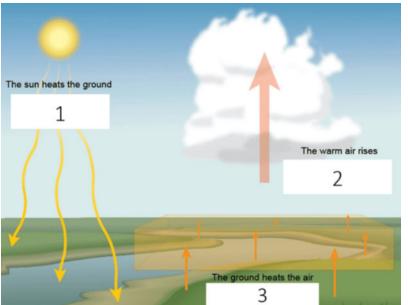
1.	Where did the gases in the atmosphere originally come from?	
2	What process added oxygen to Earth's	
۷.	early atmosphere? Explain.	
3.	What two gasses are found in the	
	greatest amount in our atmosphere? (the	
	permanent gases)	
4.	What percent of the atmosphere is each?	
5.	What is the main natural greenhouse	
	gas?	
6.	What other two gasses are the most	
	responsible for trapping the sun's energy	
	(Greenhouse Effect) near the earth contributing to global warming?	
	contributing to global warming?	
7.	Name one way each of those gases is	
	produced.	
8.	Which layer of the atmosphere do people	
	live in and is weather created in?	
9.	Why does the troposphere contain most	
	of the atmosphere's air?	
10		
10.	What happens to temperature as you	
	increase in elevation in the troposphere, and why?	
	and why:	
11.	What happens to temperature as you	
	increase in elevation in the stratosphere,	
	and why?	
12.	What special molecule is found in the	
	Stratosphere and what is its chemical formula?	
	lonnua:	
13	Why is this layer so important to	
10.	humans?	
14.	What efforts were made to try to fix the	
	hole in this layer, how did it work?	
15.	In which layer of the atmosphere do	
	satellites orbit?	

- 16. How does the tilt of the Earth create seasons?
- 17. Which point in the diagram shows summer? Which point shows winter?



For each type of energy transfer, identify which number in the picture is showing that process, and explain how it affects the atmosphere in your own words.

- 18. Radiation
- 19. Conduction
- 20. Convection



Carbon Cycle

21. Name 3 reservoirs of carbon.

22. For each reservoir, explain how carbon can flow in and out of it.

23. Explain the role that humans have played in changing the carbon cycle.

24. Model the Greenhouse Effect (in a drawing) and show how it affects Climate Change. Include two greenhouse gasses and their source in the diagram.

Evidence for climate change: 25. Review all 6 of the graphs and state 2 pieces of evidence for climate change.

26. What are 3 human impacts we are observing as a result of climate change?

27. Propose 3 solutions to help combat climate change and explain how each would work.

Optional: Explain how increased atmospheric
carbon dioxide has caused ocean acidification
and the effects of ocean acidification.