You have learned that the sun heats our entire planet. You know that heat moves through gases by convection.

When heat moves by convection, the heat is not even. Some places are heated more than others.

Warm air and cool air do not weigh the same. You know that warm air is lighter than cool air. And you know that light air rises.

When warm air rises, other cooler air rushes in to take its place. The air that rushes in moves parallel to the ground. It is this moving air that we call "wind."

Wind is caused by the uneven heating of the earth's surface.

- Uneven heating of the entire planet causes planetary winds.
 - Uneven heating of smaller areas causes local winds.

The exercise on the facing page shows how a wind is made.

Air that moves up and down is very important in making winds.

Air that moves up or down is called a current.

STUDYING HOW A WIND IS MADE

Study Figure A carefully. Then choose the correct term to complete each statement. Write your choice in the space.

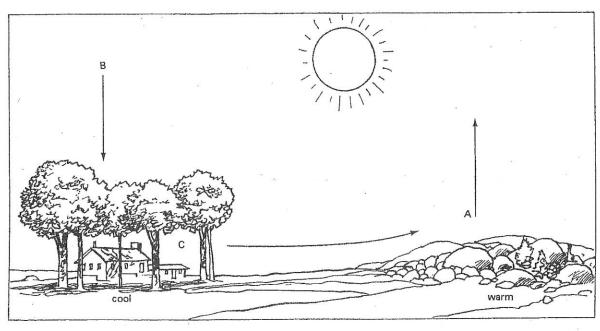


Figure A

1. The air at A is _____

		warm, coor	
2.	Warm air is	lighter, heavier	_ than cool air.
3.	Light air	rises, falls	

4. The air rising from A is called a ______wind, current

5. The air at B is ______warm, cool

6. Cool air is _____ than warm air.

7. Cool air _______.

8. The air moving from B to C is called a _______. wind, current

9. The air moving from C to A is called a ______wind, current

10. Wind moves from a _____ place to a _____ place.

A special challenge!

Ai	Now that you know how wind is made, try to answer thim 5 if you have to.	nese questions	s. Refer to
11.	. Air pressure is greater at Label this specification.	pot "High Pre	ssure" on
12.	. Air pressure is less at Label this sp Figure A.	ot "Low Pre	ssure" on
	Underline the correct statement.		
13.	 a) a place of low pressure to a place of high pressure. b) a place of high pressure to a place of low pressure. 		*
-	COMPLETING Complete the sentences with the choices	below.	
	SENTENCES		
	heavier local wind uneven heating lighter current drops	cooler a planeta rises	
1.	heavier local wind uneven heating lighter current drops	planetai	
	heavier local wind uneven heating lighter current drops Winds are caused by the of the earth.	planetai rises	
1.	heavier local wind uneven heating lighter current drops Winds are caused by the of the earth. Uneven heating of the entire planet causes	planeta rises winds.	
1. 2.	heavier local wind uneven heating lighter current drops Winds are caused by the of the earth. Uneven heating of the entire planet causes wi	planeta rises winds.	
1. 2. 3.	heavier local wind uneven heating lighter current drops Winds are caused by the of the earth. Uneven heating of the entire planet causes wi Air becomes when it is heated.	planeta rises winds.	
1. 2. 3. 4.	heavier local wind uneven heating lighter current drops Winds are caused by the of the earth. Uneven heating of the entire planet causes wi Air becomes when it is heated. Warm air	planeta rises winds.	
1. 2. 3. 4. 5.	heavier local wind uneven heating lighter current drops Winds are caused by the of the earth. Uneven heating of the entire planet causes wi Air becomes when it is heated. Warm air Air becomes when it is cooled.	planeta rises winds.	
1. 2. 3. 4. 5.	heavier local wind uneven heating lighter current drops Winds are caused by the of the earth. Uneven heating of the entire planet causes wi Air becomes when it is heated. Warm air Air becomes when it is cooled.	planetarrises winds. nds.	ry
1. 2. 3. 4. 5. 6.	heavier local wind uneven heating lighter current drops Winds are caused by the of the earth. Uneven heating of the entire planet causes wi Air becomes when it is heated. Warm air Air becomes when it is cooled. Cool air	planetarrises winds. nds. take its place	ry

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