

Notes: Air Pressure, Wind, and Sunshine!

Name _____

Date _____

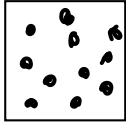
Period _____

Air pressure and Wind

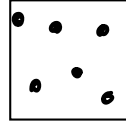
Read page 76, then answer the question #1-5 below.

1. Air pressure is the _____ of air on the surface below it.

2. Fill in the blank with high or low air pressure



_____ air pressure



_____ air pressure

3. As air pressure gets lower, the density of air (increases / decreases).

4. As elevation or altitude increases, air pressure (increases / decreases).

5. Air moves (to / from) areas of high pressure (to / from) areas of low pressure.

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6. WINDS are caused by a combination of:

- _____
- _____
- _____
- _____
- _____

=====

What do you think?

7. (Moisture / humidity) is the measure of the amount of water vapor in the air.

8. Water vapor (absorbs / reflects) heat from the sun. (hint: water vapor is a greenhouse gas)

9. If the Sun didn't shine on Earth, how would that affect wind? (Yes, I know we would all die, but how would it affect the wind?!)

10. Explain why having ceiling heat in your house doesn't work very well.

1. What is a weather front?

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- a. a place with stormy weather
- b. The boundary between two air masses
- c. Weather stays the same here
- d. I don't know

2. Cold air is:

- a. more dense and rises
- b. less dense and rises
- c. more dense and sinks
- d. less dense and sinks

3. A land breeze occurs during the:

- a. day
- b. night
- c. both
- d. none

4. The movement of heat through water or air is called:

- a. convection
- b. heat transfer
- c. radiation
- d. density

5. Warm air is:

- a. more dense and rises
- b. less dense and rises
- c. more dense and sinks
- d. less dense and sinks

6. Where are you most likely to find high air pressure?

- a. on a mountain top
- b. at sea level
- c. I have no idea
- d. wherever there is warm air

Diagrams: