



Name: _____

Date: _____

Class: _____

<p>1 Date: _____</p> <p>How could the weather in this city be measured?</p> <p><u>Wind can be measured with a wind vane and wind meter. Rain can be measured with a rain gauge. Air temperature can be measured with a thermometer.</u></p>	<p>2 Date: _____</p> <p>Suppose the weather is fair. What type of clouds might you see in the atmosphere? Draw and label them.</p> <p>Students should sketch an image of cumulus clouds.</p>
<p>3 Date: _____</p> <p>Read the instruments and record the temperature, rain amount, and wind direction on the lines provided.</p> <p>Thermometer: <u>23 °C (73 °F)</u></p> <p>Rain Gauge: <u>4 centimeters</u></p> <p>Wind vane: <u>from the west</u></p>	<p>4 Date: _____</p> <p>At 9:00 a.m., the air temperature was 18 °C. By 4:00 p.m., it had risen to 32 °C. How much warmer was it at 4:00 p.m. than at 9:00 a.m.?</p> <p><u>32 °C - 18 °C = 14 °C</u></p>

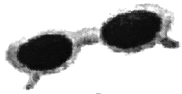
5

Date:

Look at each item. In what type of weather do you need each of these?
How does each item protect you from the weather?



winter hat



sunglasses

Sample answer: The hat is used in cold weather. It
protects you by keeping you warm. The sunglasses
are used in sunny weather. They protect your eyes
by filtering the bright sunlight.

6

Date:

Sara thinks that thunderstorms are exciting. She wants to go outside during one. Sara asks her mother to go with her. What should Sara's mother tell her?

Sample answer: Sara's mother should say to stay inside.

Sara's mother should also tell Sara what to do if she is ever
caught in a thunderstorm by accident.

Name:

MODEL ANSWER

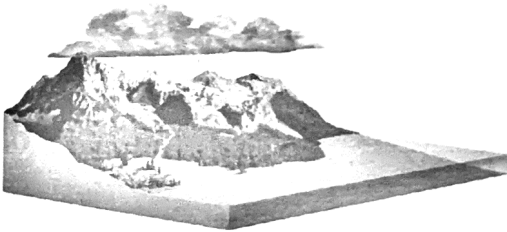
Date:

Class:

1) Choose the correct answer then fill in the corresponding bubble:

- 1) (A) (B) (C) (D)
- 2) (A) (B) (C) (D)
- 3) (A) (B) (C) (D)
- 4) (A) (B) (C) (D)
- 5) (A) (B) (C) (D)

1 Which description tells the kind of weather happening on this mountain?



- (A) dry weather
- (B) fair weather
- (C) rainy weather
- (D) sunny weather

2 A layer of gases surrounds Earth. Which of these is the name for this layer of gases?

- (A) air
- (B) atmosphere
- (C) vapor

(D) weather

3 Which of these is the gas animals need to breathe?

(A) oxygen

(B) nitrogen

(C) water vapor

(D) carbon dioxide

4 A blizzard is one kind of severe weather. Which of these things **must** you do to be safe while a blizzard happens?

(A) stay indoors

(B) go outdoors

(C) wear rainwear

(D) wear sunglasses

5 Which weather instrument is used to measure air temperature?

(A) a barometer

(B) a weather vane

(C) a rain gauge

(D) a thermometer

II) Complete the following sentences using the word bank below:

Atmosphere- oxygen- weather- temperature

1. Earth is surrounded by a layer of gases, this layer is called Atmosphere.
2. Weather is the condition of the atmosphere at any place and time.
3. Oxygen is one of the gases in the atmosphere that most living things need to survive.
4. Temperature is a measure of how hot or cold something is.

III) Review question:

When a gas condenses, what happens to its heat energy?

It loses its heat energy.

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Word Play

1 Read the clues. Unscramble the words to complete the sentence.

1. You use a thermometer to measure air <u>t e m p e r a t u r e</u> .	etmrepatuer
2. The gases that surround Earth make up the <u>a t m o s p h e r e</u> .	hperesmoat
3. One type of gas in the atmosphere is <u>o x y g e n</u> .	negoyx
4. The condition of the atmosphere at one place and time is the <u>w e a t h e r</u> .	rwehate
5. Fast wind that moves in a spiral is a <u>t o r n a d o</u> .	troanod
6. You measure wind direction with a <u>w i n d v a n e</u> .	diwn vean

2

Date: _____

Apply Concepts

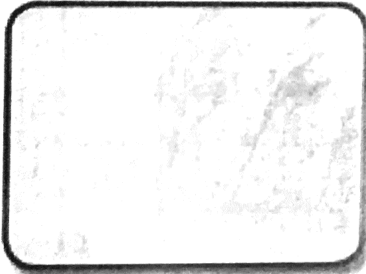
2 Draw yourself measuring the weather. Show the tool or tools that you use. Describe how to use each measuring tool that you draw.

Pictures should show students using tools such as a thermometer (to tell how warm the air is), a wind vane (to tell the direction the wind is blowing from), or a rain gauge (to tell how much rain has fallen).

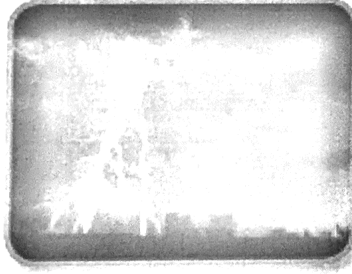
Sample answers: I found the air's temperature by reading the thermometer. I looked at the amount of water in the rain gauge. I determined wind direction by noting in which direction the wind vane was pointing.

3 Date:

3 Label the pictures of severe weather. Draw a line from each label to the correct description of the severe weather.



blizzard



thunderstorm



hurricane

Starts over the ocean;
strong wind and rain

Thunder, lightning,
and usually rain

Lots of snow and
wind; very cold