

Answer Key

Name: _____ Core: _____

Pre-Assessment: Weather Unit

Directions – Answer each question in the final answer column. When you are finished answering, place a checkmark (✓) in the box that represents your confidence level (did you know the answer or was it a guess).

Multiple Choice – Select the BEST answer from the choices given.

- Precipitation occurs when

 - water droplets evaporate and freeze in clouds
 - water droplets combine and become heavy enough to fall
 - water collects on dust particles
 - water freezes
- Where can new clouds form?

 - new clouds form only near factories and cities because clouds need pollution in the air to form
 - new clouds form only over lakes or oceans because clouds need a body of water below them to form
 - new clouds can form anywhere
 - new clouds do not form, clouds just move from place to place
- What does humidity measure?

 - the temperature of the air
 - the amount of water vapor in the air
 - the amount of liquid water in the air
 - how difficult it is to breathe in the summer

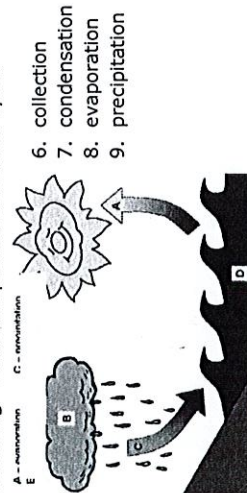
4. Which type of weather is most likely with high pressure systems?

- clear and sunny
- cold and windy
- stormy
- dry

5. Winds move around in our atmosphere because of

- differences in latitude and longitude
- differences in altitude
- differences in air pressure
- differences in gravity

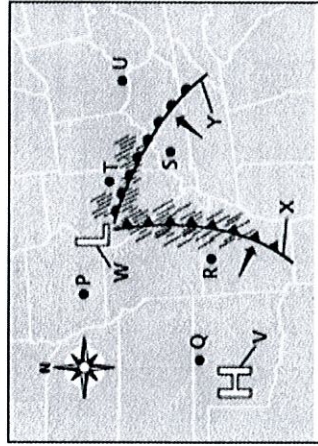
Labeling - Label the parts of the water cycle:



Matching – Match each type of severe weather with its description.

- tornado
 - flash flooding
 - thunderstorm
 - hurricane
- a storm that forms over warm ocean water; dangers include damaging winds, heavy rains, coastal flooding, and possible tornados
 - a storm caused by warm air that rises quickly into cooler air, they are more common in summer months when the Sun's heat warms air near the ground; dangers include heavy rains, strong winds, hail, lightning, and possible tornados
 - a rapidly spinning column of air that turns vertically and produces damaging winds; they are common during severe thunderstorms
 - a quick accumulation of water due to heavy rains; the water moves across the ground quickly trapping people in cars and buildings; they are common during hurricanes and severe thunderstorms

Map Reading – Use the following map to answer, answer the following questions:



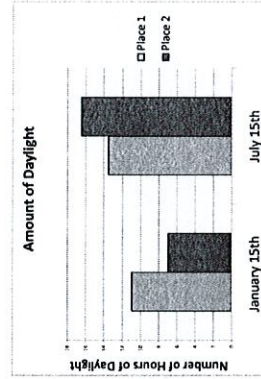
14. Low pressure often brings stormy weather and high pressure often brings fair weather. Which of the locations is most likely to have clear skies?
- Q
 - R
 - S
 - U

15. What kind of front does the line with the half circles represent?

- cold front
- occluded front
- stationary front
- warm front

Interpreting Graphs – Use the following graph to answer #16.

A student who lives at Place 1 measured the number of hours of sunlight on a day in January and on a day in July. Another student, who lives at Place 2 made the same measurement on the same two days. Both places are in the northern hemisphere.



Based on their measurements, as shown in the graph above, what must be TRUE about Place 2?

- Place 2 is closer to the Equator than Place 1.
- Place 2 is farther from the Equator than Place 1.
- Place 2 is farther to the east than Place 1.
- Place 2 could be north, south, or east of Place 1, because the number of hours of sunlight cannot be used to compare the location of one place to another.

Problem Number	Answer	I know the answer!	Guessed on it!
1	B		
2	C		
3	B		
4	A		
5	C		
6	D		
7	B		
8	A		
9	C		
10	C		
11	D		
12	B		
13	A		
14	A		
15	D		
16	B		