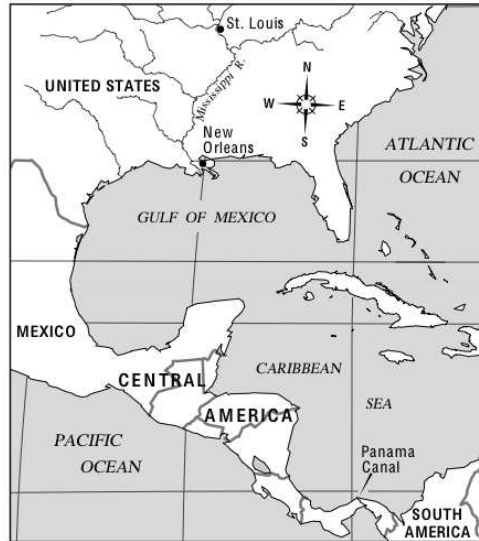# Fifth Grade Science
Mini-Assessment 2

Name _____ Date _____

Directions: Circle the letter of the best answer.

1. Roseanna saw on the news that an air mass is forming over the Gulf of Mexico. What type of air mass is it likely to be?

    A. warm and humid
    B. cool and humid
    C. warm and dry
    D. cool and dry

2. When Beth arrived at school, the flag was waving in a 12-mile per hour wind. What was making the wind blow?

    A. air moving from an area of high humidity
        to an area of low humidity
    B. air moving from an area of high cloud cover
        to an area of low cloud cover
    C. air moving from an area of high air pressure
        to an area of low air pressure
    D. air moving from an area of high temperature
        to an area of low temperature

3. Hail stones one-half inch in diameter fell for a short time before Marsha left for school. What weather event was happening at the time?

    A. thunderstorm
    B. hurricane
    C. blizzard
    D. light rain

4. The cloud and air temperatures outside of Tommy's house is 10 ºC (50 ºF). What form of precipitation is **most likely** to occur?

    A. rain
    B. hail
    C. sleet
    D. snow

5. Beavers make their lodges out of tree branches and mud. In which environment is a beaver **most likely** to be found?

    A. desert
    B. forest
    C. marsh
    D. tundra

6. Swampy areas like the one shown below can be found in many Florida locations. What weather conditions are **most** frequently found in this environment?

    A. high temperature, high humidity
    B. high temperature, low humidity
    C. low temperature, high humidity
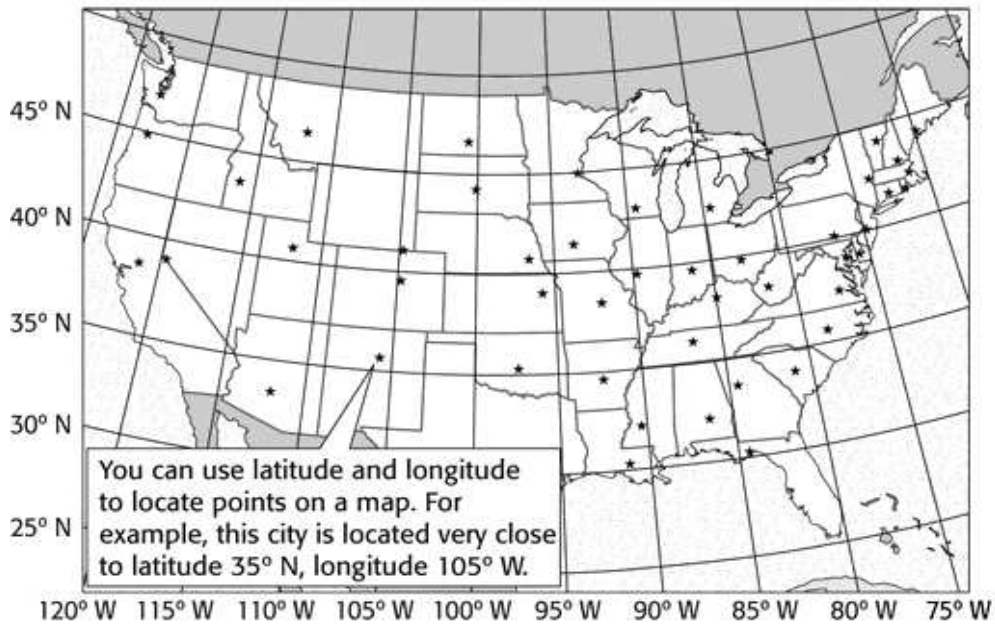   **D.** low temperature, low humidity

7. When Sanjay visited Peru, he expected it to be very tropical because it is very close to the equator. Peru is a very rocky, mountainous country. He was surprised to find areas of cooler temperatures and snow. Where was Sanjay when he found these conditions?

    A. on a mountain
    B. near an iceberg
    C. near a cool ocean
    D. at the bottom of a hill

8. The city Kingsley lives in is located at latitude 33° N, longitude 92° W. The city Amy lives in is located at latitude 43° N, longitude 90° W. What would you expect to be the **main** difference between their climates?

You can use latitude and longitude to locate points on a map. For example, this city is located very close to latitude 35° N, longitude 105° W.

    A. humidity
    B. precipitation
    C. temperature
    D. wind direction

9. One summer day while Amy is at the ocean, the wind begins blowing from the ocean onto the land. What change might Amy expect in the weather?

   A. increased humidity
   B. increased temperature
   C. decreased air pressure
   D. decreased wind speed

10. The climate of Europe is shown on this map. Which city's climate is **least** affected by a large body of water?

   A. Lisbon
   B. Moscow
   C. Paris
   D. Riga

Fifth Grade Science Mini-Assessment 2
Key

Question	Answer	Benchmark	DOK		Question	Answer	Benchmark	DOK
1	A	SC.5.E.7.3	2		6	A	SC.5.E.7.5 assessed as SC.5.E.7.3	2
2	C	SC.5.E.7.3	2		7	A	SC.5.E.7.6 assessed as SC.5.E.7.3	3
3	A	SC.5.E.7.4 assessed as SC.5.E.7.3	2		8	C	SC.5.E.7.6 assessed as SC.5.E.7.3	3
4	A	SC.5.E.7.4 assessed as SC.5.E.7.3	3		9	A	SC.5.E.7.3	3
5	B	SC.5.E.7.5 assessed as SC.5.E.7.3	3		10	B	SC.5.E.7.6 assessed as SC.5.E.7.3	2

Answer 1: A
Answer A is correct because the mass is forming over a warm body of water.
Answer B is incorrect because the mass is forming over a warm body of water.
Answer C is incorrect because the mass is forming over a warm body of water.
Answer D is incorrect because the mass is forming over a warm body of water.

PTS: 1   DOK: 2   MSC: Grade 5

Answer 2: C
Answer A is incorrect because wind is a result of air moving from an area of high air pressure to an area of low air pressure.
Answer B is incorrect because wind is a result of air moving from an area of high air pressure to an area of low air pressure.
Answer C is correct because wind is a result of air moving from an area of high air pressure to an area of low air pressure.
Answer D is incorrect because wind is a result of air moving from an area of high air pressure to an area of low air pressure.

PTS: 1   DOK: 2   MSC: Grade 5

Answer 3: A
Answer A is correct because hail forms in cumulonimbus clouds.
Answer B is incorrect because hail does not usually accompany a hurricane.
Answer C is incorrect because blizzards are associated with snow, not hail.
Answer D is incorrect because hail accompanies intense rain and thunderstorms.

PTS: 1   DOK: 2   MSC: Grade 5

Answer 4: A
Answer A is correct because rain is liquid, which is the type of precipitation that falls when both the air and cloud temperature are above the freezing point of water.
Answer B is incorrect because hail is solid water, which can form only when parts of the cloud are at temperatures below the freezing point of water.
Answer C is incorrect because sleet is solid water, which forms when rain falls through air that is below the freezing point of water.
Answer D is incorrect because snow is solid water, which can form when both the cloud and air temperatures are below the freezing point of water.

PTS: 1   DOK: 3   MSC: Grade 5

Answer 5: B
Answer A is incorrect because deserts do not have many trees or mud.
Answer B is correct because forests have trees, streams, rivers, ponds, and lakes.
Answer C is incorrect because marshes do not have trees.
Answer D is incorrect because tundras do not have trees.

PTS: 1   DOK: 3   MSC: Grade 5

Answer 6: A
Answer A is correct because Florida wetlands often have high temperature and high humidity.
Answer B is incorrect because Florida wetlands often have high temperature and high humidity.
Answer C is incorrect because Florida wetlands often have high temperature and high humidity.
Answer D is incorrect because Florida wetlands often have high temperature and high humidity.

PTS: 1   DOK: 2   MSC: Grade 5

Answer 7: A
Answer A is correct because the mountainous areas of Peru have cooler temperatures and snow.
Answer B is incorrect because Peru is not near any icebergs.
Answer C is incorrect because snow is not found near the ocean.
Answer D is incorrect because lower elevations are less likely to have snow.

PTS: 1   DOK: 3   MSC: Grade 5

Answer 8: C
Answer A is incorrect because humidity would not be the main difference between the two.
Answer B is incorrect because precipitation may be the same at both latitudes.
Answer C is correct because in general average temperature decreases with increased latitude.
Answer D is incorrect because wind direction may be the same at both latitudes.

PTS: 1   DOK: 3   MSC: Grade 5

Answer 9: A
Answer A is correct because wind from the ocean will bring increased humidity.
Answer B is incorrect because the cooler wind from the ocean will bring a decrease in temperature.
Answer C is incorrect because wind moves from a high-pressure area to a low-pressure area.
Answer D is incorrect because the wind is starting to blow.

PTS: 1   DOK: 3   MSC: Grade 5

Answer 10: B
Answer A is incorrect because Lisbon is close to the Atlantic Ocean
Answer B is correct because Moscow is not close to a large body of water.
Answer C is incorrect because Paris is closer to the Atlantic Ocean than Moscow is.
Answer D is incorrect because Riga is close to the Baltic Sea.

PTS: 1   DOK: 2   MSC: Grade 5