

TEST NAME: **Delk Study Set 5.E.1.1**  
TEST ID: **1548098**  
GRADE: **05 - Fifth Grade**  
SUBJECT: **Life and Physical Sciences**  
TEST CATEGORY: **My Classroom**

Student: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1. Which will **most likely** result from a low-pressure weather system?
  - A. warm temperatures
  - B. cloudy conditions
  - C. clear conditions
  - D. cool temperatures
  
2. Which has the **greatest** effect on wind speed?
  - A. precipitation
  - B. cloud cover
  - C. wind direction
  - D. air pressure
  
3. **Which is true of the seasonal weather patterns of places that are at the same latitude?**
  - A. They have the same wind patterns.
  - B. They have the same amount of rain.
  - C. They have the same intensity of sunlight.
  - D. They have the same kinds of severe weather.
  
4. A change in which weather condition would **most likely** result in a change in wind speed?
  - A. humidity
  - B. temperature
  - C. air pressure
  
5. Michael observes the air pressure daily. Over the last couple of days the air pressure has been dropping. What weather will Michael **most likely** observe as a result?
  - A. increasingly clear skies and more wind
  - B. increasingly clear skies and dry weather
  - C. increasingly cloudy skies and possible storms

6. What other weather condition is **most likely** affected by rainfall during the summer season in North Carolina?
- A. fog
  - B. humidity
  - C. wind speed
7. Which statement **best** describes how weather patterns along the equator differ from weather patterns in the mid latitudes?
- A. Temperatures along the equator vary with the seasons, while temperatures in the mid latitudes are consistently cold.
  - B. Temperatures along the equator vary with the seasons, while temperatures in the mid latitudes are consistently warm.
  - C. Temperatures in the mid latitudes vary with the seasons, while temperatures along the equator are consistently warm.
8. Which statement **best** describes temperature patterns in areas along the equator?
- A. Temperatures along the equator vary from hot in the summer to cold in the winter.
  - B. Temperatures along the equator are consistently warm all year long.
  - C. Temperatures along the equator are consistently cool all year long.
9. Which **best** describes why wind movement is predictable?
- A. Air moves from areas of low altitude to areas of high altitude.
  - B. Air moves from areas of high pressure to low pressure.
  - C. Air moves from areas of low pressure to high pressure.
10. Which weather conditions **most likely** affect the humidity in North Carolina?
- A. temperature and precipitation
  - B. temperature and wind speed
  - C. wind speed and wind direction

11. The local weather station is predicting that a warm front will pass through Charlotte, NC in two days. How will Charlotte's weather **most likely** be affected by the passing of a warm front?
- A. The wind speed will increase.
  - B. The air pressure will increase.
  - C. The temperature will increase.
12. Which statement **best** explains how wind is formed?
- A. Air is warmed by radiation and air flow increases as a result of the warming.
  - B. Pressure decreases as a result of frictional contact with earth causing air to flow more freely.
  - C. Unequal heating of the land causes air to flow from areas of higher pressure to areas of lower pressure.
13. Which is the **best** indicator that precipitation is on the way?
- A. low pressure
  - B. low humidity
  - C. low temperature
14. What happens to the temperature when a warm air mass replaces a cold air mass?
- A. Temperature rises.
  - B. Temperature drops.
  - C. Temperature stays the same.
  - D. Temperature will drop; then rise.
15. What type of weather is usually found in low pressure areas?
- A. hot and dry
  - B. wet and stormy
  - C. cold and snowy
  - D. sunny and humid

16. Which has the ***greatest*** effect on the temperature of a region?
- A. the amount of plants it has
  - B. the amount of rainfall it gets
  - C. the amount of humans it has
  - D. the amount of sunlight it gets
17. Which type of air pressure causes a storm to form on a spring day?
- A. low pressure, causing air to rise, cool, and form water droplets
  - B. high pressure, causing air to rise, cool, and form water droplets
  - C. low pressure, causing air to sink and bring water droplets to the ground
  - D. high pressure, causing air to sink and bring water droplets to the ground
18. What form of precipitation, in which ice crystals freeze over and over, frequently occurs during thunderstorms?
- A. hail
  - B. snow
  - C. sleet
  - D. heavy rain
19. Which conditions will result in high winds?
- A. large differences in air pressure
  - B. heavy rains over several days
  - C. increase in evaporation rates
  - D. presence of cirrus clouds

20. Which statement is accurate about seasonal temperatures in North Carolina?
- A. The temperatures are varied during each of the different seasons.
  - B. The average temperature stays close to 60°F during most seasons.
  - C. It is difficult to notice the change in temperatures between seasons.
  - D. It is difficult to predict what the temperatures will be during each season.