EL NINO/LA NINA/CURRENTS CLASSWORK

1. In what direction does the jet stream usually flow?
   1. From east to west
   2. From west to east
   3. From south to north
   4. From north to south
2. How does the Gulf Stream affect weather patterns?
   1. It moves air, which causes wind to blow
   2. It blocks air, which stops wind from blowing
   3. It cools air, which cools land along the coast
   4. It warms air, which warms land along the coast
3. Which correctly describes El Nino?
   1. An unusual cooling of water in the eastern Pacific Ocean
   2. A cold current in the atmosphere that flows across the United States
   3. An unusual warming of water in the eastern Pacific Ocean
   4. A warm ocean current that flows across the Atlantic Ocean
4. Which provides unusually cool ocean waters that affect weather patterns in North America?
   1. El Nino
   2. La Nina
   3. Subtropical jet stream
   4. Gulf Stream
5. If the jet stream dips south of North Carolina, which will most likely be the result in North Carolina?
   1. The air pressure with decrease
   2. The temperature decrease
   3. The wind speed will increase
   4. The temperature will increase
6. Which of the following is a warm ocean current that helps keep weather along North Carolina’s coast mild during the cooler months?
   1. Gulf Stream
   2. El Nino
   3. Jet stream
   4. La Nina
7. Which best describes La Nina?
   1. Unusual warming of surface water in the eastern Pacific Ocean
   2. Warm ocean current that flows across the Atlantic Ocean
   3. Unusual cooling of surface water in the eastern Pacific Ocean
   4. Cold current in the atmosphere that flows across the United States
8. In which way are the Gulf Stream and the jet stream similar?
   1. Both are air current that flow in a certain direction
   2. Both are ocean currents that flow in a certain direction
   3. Both bring dry weather to the United States
   4. Both affect local weather in the United States
9. Which best describes a characteristic of the jet stream?
   1. It forms a boundary between a cold air mass and a warm air mass.
   2. It creates the high winds around the eye of a hurricane.
   3. It forces the hot air along the equator to rise to areas in North America.
   4. It causes high pressure air masses to rotate clockwise.
10. What is the cause of rising surface temperatures of the Pacific Ocean, drought in the western United States, and flooding on the Pacific coast of South America?
    1. the Gulf Stream
    2. the jet stream
    3. La Niña
    4. El Niño
11. What will most likely result when the jet stream moves south of North Carolina?
    1. North Carolina will experience tropical weather conditions.
    2. North Carolina will experience hot, dry weather.
    3. North Carolina will experience mild weather.
    4. North Carolina will experience cold weather.