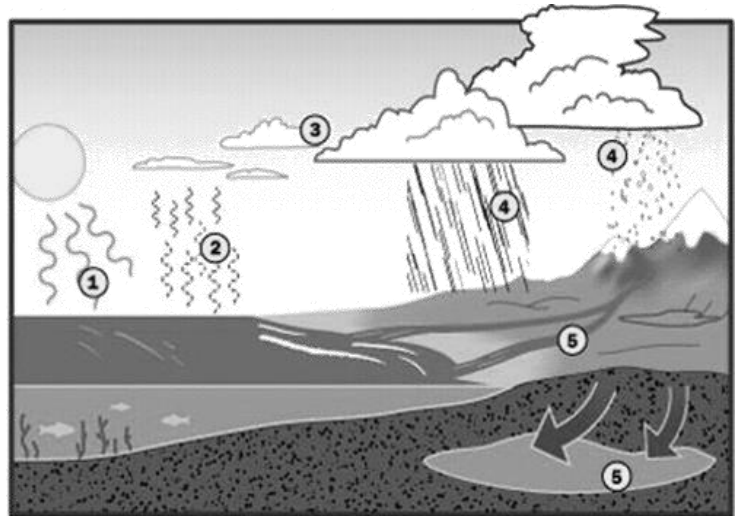


## Water Cycle, Oceans, Weather and Climate

Water Cycle- Label the numbers below to match the processes of the water cycle and give a brief description of what happens at that stage.

1. \_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_
4. \_\_\_\_\_  
\_\_\_\_\_
5. \_\_\_\_\_  
\_\_\_\_\_
6. \_\_\_\_\_  
\_\_\_\_\_
7. \_\_\_\_\_  
\_\_\_\_\_



8. Which of the following is true about evaporation and condensation?
  - a. Evaporation is water vapor changing to liquid water whereas condensation is the opposite.
  - b. Evaporation and condensation are similar because they both involve water changing states.
  - c. Evaporation and condensation are the same process.
  - d. Evaporation and condensation are not related processes.
  
9. Which of the following is NOT true about the water cycle?
  - a. The water cycle is how water is recycled on earth.
  - b. The water cycle is important to all life on earth.
  - c. The water cycle is an important part of weather and climate.
  - d. The water cycle is driven by energy from the sun.
  - e. The water cycle has a starting point and a stopping point.
  
10. Which statement is not true about the oceans role in the water cycle and weather and climate?
  - a. The ocean does not have an important role in the water cycle weather and climate.
  - b. The ocean is the main reservoir for water and where most of the water on earth is stored.
  - c. Water in the ocean is eventually evaporated, condensed and precipitated to creates weather.
  - d. Ocean currents can heat or cool the land and affect climate and weather.
  - e. All of the above

11. Which is a not a true statement about weather?
- Weather is the state of the atmosphere at any given moment.
  - Weather rarely changes and is usually the same.
  - Weather includes measurements of temperature, wind, air pressure, humidity, and precipitation.
  - Weather is caused by the sun- without the sun there would be no weather.

Read the following statements and decide if each describes the term weather or climate and write the correct word.

12. \_\_\_\_\_ The condition of the atmosphere at one point in time.
13. \_\_\_\_\_ The average of all weather over a long period of time.
14. \_\_\_\_\_ Changes often and is hard to predict.
15. \_\_\_\_\_ Changes less and is able to be predicted.
16. \_\_\_\_\_ The weatherman says today is was 82°F, with winds from the south at 6 mph, sunny skies, and no precipitation.
17. \_\_\_\_\_ You know that where you live has hot dry summers and cool moist winters.
18. Which of the following would be the best way to find the climate of an area?
- Recording the weather conditions, including temperature and precipitation for a week
  - Recording the average temperature and precipitation for one month
  - Recording the average temperature and precipitation for a decade (10 years)
  - Recording the average temperature and precipitation for 50 years.

Use the weather map for questions 19-21

19. Which city has a high temperature of 88 and a low temperature of 66?
- Atlanta
  - Seattle
  - Miami
  - St. Louis
20. Which city is experiencing rain and thunderstorms?
- San Francisco
  - New York City
  - Seattle
  - Denver
21. Which city will most likely become rainy and cooler in the next few days?
- Houston
  - Seattle
  - Los Angeles
  - Minneapolis

