

WEATHER AND CLIMATE - KEY

1. What is the difference between the terms “*weather*” and “*climate*” ? **weather is the state of the atmosphere at a certain place and certain time; climate are the weather conditions over a whole year**
2. Where is our weather created ? **in the troposphere, in the lower layer of the atmosphere**
3. What are the main elements of weather ? **temperature, air pressure, humidity, precipitation**
4. What does our atmosphere consist of ? **78 % nitrogen and 21 % oxygen**
5. Which factors does temperature depend on? **angle of the sun’s rays, tilt of the earth’s axis. altitude, distance from the sea**
6. What happens to cold air? **it is heavier and sinks to the ground**
7. How is humidity measured? **with a hygrometer**
8. What is drizzle? **a mixture of light rain and fog**
9. What is the Coriolis effect ? **it makes winds change direction because of the rotation of the Earth**
10. Where is the jet stream? **between 30° and 60° north and south of the equator**
11. What happens at the equator? **trade winds meet at the equator; air rises and that leads to clouds and rainy weather**
12. What happens when a warm front approaches ? **air starts to rise and forms clouds**
13. What do meteorologists do ? **gather information study the conditions of the atmosphere**
14. Why are weather forecasts not always accurate ? **condition of the atmosphere always changes**
15. With which instrument is the weight of the air measured ? **barometer**
16. What do global weather stations do ? **collect information, monitor rain areas, track storms**
17. Where was the lowest temperature on Earth recorded ? **Vostok , -89°C**
18. Which area on Earth has the highest amount of rainfall ? **foothills of the Himalaya mountain range**
19. What happens in the tropical climate zone near the equator? **humid air rises in the afternoon; it rains and there are thunderstorms**
20. What are the characteristics of the Mediterranean climate? **hot, dry summers, cool and rainy winters**