

## Quiz no 2 - upper secondary

- 1) What substance is found naturally in our atmosphere as gas, liquid, solid?
  - a) oxygen
  - b) nitrogen
  - c) water
  - d) carbon dioxide
- 2) Which of the following statements relate more to weather?
  - a) The average temperature for the month of May in Paris is 15°C
  - b) Clouds presently cover the entire sky
  - c) The summers here are warm and humid
  - d) January is our coldest month
- 3) Which of the following statements relate more to climate?
  - a) It is partly cloudy
  - b) The air temperature outside is 10°C
  - c) Lots of the snow falls in winter in the Alps
  - d) Our lowest temperature last winter was -27°C
- 4) Which two of the following are true?
  - a) during the day the ground warms quickly than the air above
  - b) in the night the ground cools more slowly than the air above
  - c) in the night ground cools more quickly than the air above
  - d) during the day the grounds warms slowly than the air above
- 5) Which of the following equations shows the correct ideal gas law relationship between P, ρ, T?
  - a)  $P = \rho / T$
  - b)  $P = T / \rho$
  - c)  $P = \rho \times T$
  - d)  $P = 1 / (\rho \times T)$
- 6) The Coriolis force is caused by:
  - a) the elliptical orbit of the earth around the sun
  - b) topographical features such as mountains
  - c) because temperature decreases from the equator to the poles
  - d) the rotation of the earth on its axis
- 7) When you observe a rainbow:

- a) the sun is always to your back
- b) the sun is always to your front
- c) sun is exactly above you
- d) it does not matter where the Sun is

**Answer:**

- 1) c
- 2) d
- 3) c
- 4) a,c
- 5) c
- 6) d
- 7) a