Assignment 2

Due on 2019-09-21, 21:19 IST.

1. A device for measuring wind speed is called a ______.
   (a) Anemometer
   (b) Altimeter
   (c) Pressure meter
   (d) None of these
   1 point

2. The average speed of one of the gases in a mixture is the pressure which it would exert if alone excepted in the same container.
   (a) Molar mass
   (b) Kinetic energy
   (c) Molecular mass
   (d) Molal mass
   1 point

3. Where is altitude?
   (a) Distance of a lip from the ground
   (b) Distance of a lip from the base of a column
   (c) Distance of a lip from the height of column
   (d) None of these
   1 point

4. What is Henderson-Hasselbalch equation?
   (a) Difference of ionized at pH
   (b) Molar mass of water at pH
   (c) Molar mass of carbon dioxide at pH
   (d) None of these
   1 point

5. Where is equilibrium constant of Ka?
   (a) pH of water
   (b) Molar mass of carbon dioxide
   (c) Molar mass of carbon
   (d) Molality of carbon
   1 point

6. What is the weight of a meal in the atmosphere?
   (a) Molar mass of carbon
   (b) Molar mass of carbon dioxide
   (c) Molar mass of carbon monoxide
   (d) None of these
   1 point

7. What is the following? 20^°C = ______
   (a) 298.15 K
   (b) 300 K
   (c) 293.15 K
   (d) None of these
   1 point

8. What is the following? 20^°C = ______
   (a) 298.15 K
   (b) 300 K
   (c) 293.15 K
   (d) None of these
   1 point

9. What is the following? 20^°C = ______
   (a) 298.15 K
   (b) 300 K
   (c) 293.15 K
   (d) None of these
   1 point

10. Write the expression for the heat capacity of a gas at constant volume.
    (a) C = \frac{\Delta U}{\Delta T}
    (b) C = \frac{\Delta Q}{\Delta T}
    (c) C = \frac{\Delta H}{\Delta T}
    (d) None of these
    1 point