



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Worksheet 8 Solutions

Sub:Geography

Class:11

Date: 23-6-2020

Unit 2:Interior of the Earth part 1 ,1st term

1. Choose the correct answer
 - a. The discontinuity separating mantle from core is known as i) Mohorovicic ii) Weichart - Gutenberg iii) Lehmann iv) Repetti discontinuity.
 - b. The discontinuity separating outer core and inner core is known as i) Mohorovicic ii) Weichart - Gutenberg iii) Lehmann iv) Repetti discontinuity.
 - c. The radius of the earth on the Equator is i) 6378 km ii) 6357 km iii) 6578 km iv) 6238 km
 - d. Deep ocean drilling project has taken place near i) Mariana Trench ii) Kamchatka Peninsula iii) Kola Peninsula iv) Newfoundland
 - e. The deepest mine of the world is located in i) USA ii) Brazil iii) South Africa iv) Australia , where depth is around 4 km.
 - f. The average density of the core is around i) 11 ii) 10 iii) 12 iv) 13 per cm³
 - g. Which of the following seismic wave can travel from surface to core i) L wave ii) S. Wave iii) P wave iv) Both (i) and (ii)
 - h. According to the scientists the rate of increase of temperature is 32 degrees / Km at a depth of i) 100 km ii) 200 km iii) 150 km iv) 250 km
 - i. The state of inner core is i) Liquid ii) Semiliquid iii) Solid iv) Gaseous
 - j. According to Newton's law of gravity earth's density is i) 2.71 gm per cc ii) 5.51 gm per cc iii) 10 gm per cc iv) 8 gm per cc
 - k. What is the other major mineral found in the outer core other than Iron and nickel i) Silica ii) Magnesium iii) Aluminium iv) Chromium
 - l. P wave travels at a speed of 6 to 7 km per sec through i) Crust ii) Outer Mantle iii) Inner Core iv) Outer core.
 - m. Average pressure in the core is i) 2000 Kilobar ii) 3000 Kilobar iii) 3500 kilobar iv) 2500 kilobar.
 - n. The average radius of the earth core is i) 2900 km ii) 3480 km iii) 2500 km iv) 4000 km
 - o. The physical state of outer core is i) Liquid ii) Semiliquid iii) Solid iv) Gaseous

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