

MCOs - NCERT Geography Ch.2, Class 7th - Inside Our Earth

(Note: Please read the summary before attempting the questions)

Q1. Consider the following statements:

1. Oceanic crust is thicker than the continental crust.
2. Oceanic crust is made up of SiMa.
3. Radius of the earth is around 6400 kilometers.

Which of the above statement(s) is/are **correct**?

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1,2 and 3

Q2. Which type of rock is called primary rock?

- a) Igneous rock
- b) Metamorphic rock
- c) Sedimentary rock
- d) Basalt rock

Q3. Consider the following statements:

1. Only pressure is responsible for changing sedimentary rocks to metamorphic rocks.
2. Marble changing into limestone is an example of metamorphism.

Which of the above statement(s) is/are **correct**?

- a) 1 only
- b) 2 only
- c) 1 and 2
- d) None

Q4. The innermost layer of the earth is?

- a) Crust
- b) Mantle
- c) Core
- d) SiAl

Q5. Consider the following statements:

1. Any natural mass of matter that makes up the earth's crust is called a mineral.
2. Rocks are naturally occurring substances which have certain physical properties and definite chemical composition.

Which of the above statement(s) is/are **incorrect**?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None

Answers & Explanations

Q1. Answer: (b)

Explanation:

Statement 1 is incorrect: Continental crust is thicker (approx.35 kms) than oceanic crust (approx.7 kms)

Statement 2 is correct: Oceanic Continents crust is made up of SiAl (Silica & Aluminium) & Oceanic crust is made up of SiMa (Silica & Magnesium)

Statement 3 is correct: Earth has a radius of 6371 kms.

Q2. Answer: (a)

Explanation:

Igneous rocks are known as Primary Rocks. These are formed when molten magma becomes cool. Two types- Intrusive and Extrusive:

- ✓ Intrusive rocks- Molten magma cools down inside the earth surface= large grains.e.g. Granite.
- ✓ Extrusive rocks- Molten magma cools outside the earth surface= fine grains.e.g. Basalt.

Q3. Answer: (d)

Explanation:

Type of rock changes form from one type to another type under certain conditions of temperature, pressure. This process of rock transformation from one type to another is known as rock cycle. Thus no rock type is older than other type.

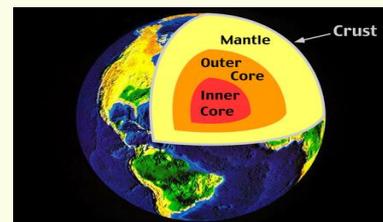
Statement 1 is incorrect: Under great heat and pressure sedimentary and igneous rocks changes into metamorphic rocks.

Statement 2 is incorrect: Limestone is metamorphosed under pressure and heat to form marble and not vice versa.

Q4. Answer- (c)

Explanation:

Core is the inner most layer of the earth. Divided in two layers Inner and Outer Core of about 3500 kms depth made up of NiFe- material. It accounts for nearly 83% of volume of earth.



Q5. Answer- (c)

Explanation

Both the statements are incorrect. **The definitions of rock and mineral are interchangeably mentioned.** Minerals are naturally occurring substances which have certain physical properties and definite chemical composition. Any natural mass of mineral matter that makes up the earth's crust is called a Rock.