

w5.9

Which one of the following is a non- metallic mineral?

- ☒ Limestone
- ☐ Lead
- ☐ Copper
- ☐ Tin

w6.1

Which among the following is the most abundant element in nature?

- ☐ Nitrogen
- ☐ Carbon
- ☐ Phosphorus
- ☒ Hydrogen

w6.10

Conversion of ammonia to nitrite and then to nitrates is called:

- ☒ Nitrification
- ☐ Ammonification
- ☐ Denitrification
- ☐ Assimilation

4.9

Which among the following are the outcome of deforestation?

- ☒ All from the list
- ☐ Loss of biodiversity
- ☐ Lesser precipitation
- ☐ Loss of soil productivity

w5.1

Which among the following is not true about minerals?

- ☒ Are man made
- ☐ Has definite composition
- ☐ Has identifiable physical characteristics
- ☐ Takes millions of years for the formation

w5.10

Minerals are deposited and accumulated in the stratas of which of the following rocks?

- ☒ Sedimentary
- ☐ Igneous rocks
- ☐ Metamorphic rocks
- ☐ None of the above

w5.6

"Which among the following is formed from remains of small animals, algae and protists?"

- ☒ Liquid fossil fuel
- ☐ Coal
- ☐ Compressed natural gas
- ☐ All from the list

w5.7

An example of fossil fuel is

- ☒ Coal
- ☐ Wood
- ☐ Animal waste
- ☐ All from the list

w5.8

Minerals need to be conserved because

(i) They are renewable.

(ii) They are depleting rapidly.

(iii) They are needed for country's industrial development.

(iv) Their formation is very fast.

- ☒ ii and iii

w5.11

Which one of the following is a non-metal?

- ☒ Mica
- ☐ Goald
- ☐ Bronze
- ☐ Platinum

w5.12

Gold is an example of minerals.

- ☒ Non-ferrous
- ☐ Ferrous
- ☐ Both Non ferrous & ferrous
- ☐ None from the list

w5.13

Energy obtained from the earth is known as:

- ☒ Geothermal
- ☐ Nuclear energy
- ☐ Bio gas
- ☐ Thermal

w5.3

Which among the following are NOT fossil fuel?

- ☒ Geothermal energy
- ☐ Coal
- ☐ Oil
- ☐ Natural Gas

w5.4

The Fossil fuel are made up of:

- ☒ Hydrocarbons
- ☐ Minerals
- ☐ halogens
- ☐ None from the list

w5.5

Coal is a solid fossil fuel formed from plant remains

- ☒ Coai
- ☐ Natural Gas
- ☐ Petroleum
- ☐ All from the list

w5.14

Which of the following energy sources does not produce carbon dioxide?

- ☒ Uranium
- ☐ Oil
- ☐ Coal
- ☐ Natural Gas

w5.2

The energy rich substances formed from the remains of once-living organisms:

- ☒ Fossil Fuel
- ☐ Radioactive Energy
- ☐ Minerals
- ☐ None from the list

w5.3

Which among the following are NOT fossil fuel?

- ☒ Geothermal energy
- ☐ Coal
- ☐ Oil
- ☐ Natural Gas

w6.8

Which among the following is the important step of carbon cycle?

☒

Photosynthesis

☐

Carbon dating

☐

Denitrification

☐

None from the list

w6.9

Nitrogen is absorbed by the plants in the form of

☐ All from the list

☐ Ammonium

☐ Nitrites

☒ Nitrates

4.3

Chemical parameters of water quality assessment does not include:

☒ Conductivity

☐ Acidity

☐ Hardness

☐ pH

4.4

Physical parameters of water quality assessment does not include:

☒ Hardness

☐ Color

☐ Odor

☐ Turbidity

4.5

Soap not giving lather is because of:

☒ Hardness

☐ Iron

☐ Chloride

☐ Less dissolved oxygen

w6.4

The ammonium (NH_4^+) produced by bacteria is taken up by a host plant or another soil organism. This process is called:

- ☒ Nitrogen uptake
- ☐ Denitrification
- ☐ Nitrogenation
- ☐ None from the list

w6.5

The process of conversion of organic nitrogen to ammonium is called:

- ☒ Nitrogen mineralization
- ☐ Assimilation
- ☐ Mineralization
- ☐ None from the list

w6.6

Which form of the following can be easily be utilized by plants

- ☒ NH_3
- ☐ N_2
- ☐ H_2
- ☐ All of the these

4.6

The energy which can be generated again and again are called:

- ☒ Renewable energy
- ☐ Man-made energy
- ☐ Biomass energy
- ☐ None from the list

4.7

The fresh water available for human use is only:

- ☐ 0.7%
- ☐ 7.0%
- ☒ 0.07%
- ☐ None from the list

4.8

Which among the following are natural resources?

- ☒ All from the list
- ☐ Iron
- ☐ River
- ☐ Sunlight

4.13

If you use RO water purifier in your house, then what property of water is changed because of RO filter? (Choose the MOST appropriate one)

- ☐ Color
- ☐ Hardness
- ☐ Odor
- ☒ Turbidity

4.2

As per CPHEEO for average size cities with piped water supply and existing sewerage system the recommended per capita water demand is _____

- ☒ 135 lpcd
- ☐ 100 lpcd
- ☐ 150 lpcd
- ☐ 70 lpcd

w6.7

Which of the following processes fixes atmospheric nitrogen into useable form of nitrogen:

- ☒ All from the list
- ☐ Lightning
- ☐ Forest fire
- ☐ Hot Lava

w6.8

Which among the following is the important step of carbon cycle?

- ☒ Photosynthesis
- ☐ Carbon dating
- ☐ Denitrification
- ☐ None from the list

w6.14

Sulphur cycle can be affected by human intervention

- ☒ TRUE
- ☐ FALSE

w6.2

Which among the following entities does NOT contain nitrogen?

- ☒ Carbohydrates
- ☐ DNA
- ☐ Protein
- ☐ RNA

w6.3

The process wherein N₂ is converted to ammonium is called:

- ☒ Nitrogen fixation
- ☐ nitration
- ☐ Nitrosification
- ☐ None from the list

w6.11

This factor contributes to the carbon cycle

- ☒ All from the list
- ☐ Fossil fuel combustion
- ☐ Respiration
- ☐ Photosynthesis

w6.12

The sulphur is released by:

- ☒ The weathering of rocks
- ☐ Compression
- ☐ Mineralization
- ☐ None from the list

w6.13

Kolar and Hutti in Karnataka are well known for

- ☒ Gold Mine
- ☐ Gypsum
- ☐ Dolomite
- ☐ Copper