

1. List two ways to liquefy gases.

गैसों को द्रवित करने की दो विधियों की सूची बनाइए।

2. Why do passengers in a bus tend to fall backward when it starts suddenly.

जब कोई बस अचानक चलना आरम्भ करती है, तो बस के यात्री पीछे की तरफ क्यों गिरने को होते हैं?

3. Name the processes by which  $\text{CO}_2$  and  $\text{H}_2\text{O}$  move into and out of the cell?

उस प्रक्रिया का नाम लिखिये जिसके द्वारा  $\text{CO}_2$  और  $\text{H}_2\text{O}$  किसी कोशिका में अन्दर आती और बाहर जाती है।

4. "Water is a compound and not a mixture". Justify this statement giving two reasons.

"जल यौगिक है मिश्रण नहीं" इस कथन के पक्ष में दो कारण दीजिए।

5. What is meant by free fall? Two bodies, one of mass 1g and other of mass 1 kg are dropped from the same height in vacuum. Compare the two time intervals in which the two bodies will hit the ground.

मुक्त पतन से क्या तात्पर्य है? 1g तथा 1 kg द्रव्यमान के दो पिण्डों को निर्वात में समान ऊँचाई से गिराया जाता है। उन समय-अन्तरालों की तुलना कीजिए जिनमें ये पिण्ड धरती पर गिरेंगे।

6. State the technical term for a medium which has exactly the same concentration as the cell? Why does the size of the cell remain the same when placed in such a solution?

उस माध्यम को, जिसका सांद्रण ठीक कोशिका जैसा होता है, उसे तकनीकी भाषा में क्या कहते हैं? जब कोशिका को इस तरह के माध्यम में डाला जाता है तो उसका साइज परिवर्तित क्यों नहीं होता?

7. Name the element(s) of xylem which

- (i) help in transport of water and minerals,
- (ii) stores food, and
- (iii) provides mechanical support

जाइलम के उस/उन अवयव/(अवयवों) के नाम लिखिए जो -

- (i) जल तथा खनिजों के संवहन में सहायता करते हैं,
- (ii) भोजन का संग्रह करते हैं, तथा

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**RM Cervero**



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web plate earthing diagram explained plate earthing is implemented when a plate made up of either copper or galvanized iron gi is buried vertically in the earth

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web include the earthing resistance and the minimum size of the earthing conductor which can be calculated using various methods as part of the design methodology lim s c and al shawesh y 35 proposed a systematic step by step approach for the design of reliable and effective earthing systems for low voltage

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web in the case of a plate earth electrode the earthing of the conductor shall be securely terminated onto the plate with two

bolts nuts check nuts and washers in the pipe earth electrode wire type earthing conductor shall be secured using nuts washers bolts and washers and terminating socket

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web plate earthing fig 3 plate earthing for this form of earthing a plate composed of copper or galvanized iron is placed vertically in the ground pit less than three meters above the ground for a more effective electrical grounding system one must maintain the earth's moisture condition surrounding the plate earthing system

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web jul 12 2021 plate earthing in this method as illustrated in fig 1 the earth wire is securely bolted to the earth plate either of copper minimum size 60 cm 60 cm 3 18 mm or of galvanized iron minimum size 60 cm 60 cm 6 35 mm buried in the ground to the depth of 3 m

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web jun 1 2021 the diagram of plate earthing shows a plate electrode which is either made of galvanized iron or steel with a minimum thickness of 6 3 mm or copper with a minimum thickness of 3 15 mm the plate should be at least 60 cm by 60 cm in size the plate is buried in the earth surrounded by alternating layers of charcoal and salt

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web in plate earthing an earthing plate made of copper or g i is buried into the ground at a depth more than 3 metres from the ground level this earthing plate is embedded in an alternative layer of coke and salts strip earthing is used in transmission processes

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web plate earthing in the plate earthing system a plate made of either copper with dimensions 60cm 60cm 3 18mm i e 2ft 2ft

1 8 in or galvanized iron gi with dimensions 60cm 60cm 6 35 mm 2ft 2ft ¼ in is vertically buried in the earth earth pit and it should not be less than 3m 10ft from the ground level

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web feb 27 2023 plate earthing is a type of electrical earthing in which a metal plate is buried in the ground and connected to the electrical system the plate used for earthing is typically made of copper steel or galvanized iron the size of the plate depends on the type of soil current to be grounded and other factors

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