

Property	W	X	Y
Particle size	> 100 nm	—	—
Nature	—	Heterogeneous	—
Tyndall effect	Shows	—	Does not show
Separation by ordinary filter paper	—	Not possible	—

Substances W, X and Y could be respectively

- Lime water, milk and brine
- Soda water, curd and mist
- Glass, milk and paint
- Cod liver oil, jelly and vinegar.

32. Sample pieces of five metals, P, Q, R, S and T are added to the given solutions separately. The results observed are shown in the given table :

Metal	Solutions				
	FeSO <sub>4</sub>	CuSO <sub>4</sub>	ZnSO <sub>4</sub>	AgNO <sub>3</sub>	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>
P	No change	No change	No change	Silver deposit	No change
Q	Greyish black deposit	Brown deposit	No change	Silver deposit	No change
R	No change	No change	No change	No change	No change
S	No change	Brown deposit	No change	?	No change
T	?	Brown deposit	Grey deposit	Silver deposit	No change

Which of the following statements is incorrect?

- Among the given metals, metal T is most reactive while metal R is least reactive.
- If metal T is added to FeSO<sub>4</sub> solution, reaction will take place.
- The correct order of the reactivity is  $T > Q > S > P > R$ .
- If metal S is added to AgNO<sub>3</sub> solution, no reaction will take place.

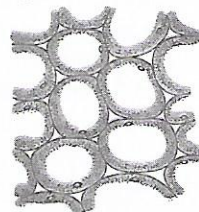
33. Refer to the given table of differences and select the correct option.

	Leucoplasts	Chromoplasts
I.	They are colourless plastids.	They are coloured plastids.
II.	They are irregular in shape.	They are cylindrical or round in shape.
III.	They are usually found in unexposed cells.	They are usually found in exposed cells.
IV.	They do not transform into other types of plastids.	They can transform into other types of plastids.

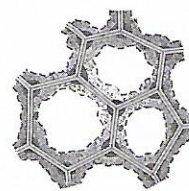
V.	They provide colour to plant parts to attract pollinators and disseminators.	They take part in storage of food, e.g., amyloplasts (carbohydrates), elaioplasts (lipids), aleuroplasts (proteins).
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- I and III only
- I, III and V only
- I, II and III only
- III, IV and V only

34. The given figures represent types of simple permanent tissues. Identify them and select the correct option regarding them.



X

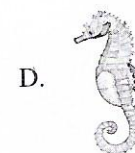
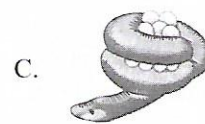


Y

- X provides rigidity to plant parts whereas Y helps in conduction of nutrients.
- X provides protective covering around nuts whereas Y serves as packing tissue.
- X helps to store waste products whereas Y provides buoyancy to aquatic plants.
- X acts as water storage tissue whereas Y helps plant parts to resist tearing effect of wind.

35. Study the following features I-IV and identify the animal on their basis and select the correct option.

- Heart two chambered
- Oviparous
- Skin covered with scales
- Respire through gills



36. Read the following statements carefully.

- BCG is a triple vaccine, effective against tuberculosis, typhoid and malaria.
- Malaria is transmitted by both male and female *Anopheles* mosquitoes.
- Chronic diseases are characterised by drastic long-term effects.
- Antibiotics inhibit the bacterial growth by blocking their biochemical pathways.

Which two of the above statements are correct?

- (i) and (iii) only
- (ii) and (iii) only
- (iii) and (iv) only
- (ii) and (iv) only