



PHYSICS

BOOKS - NAVNEET PUBLICATION

PROPERTIES OF NATURAL RESOURCES

Question Bank

1. Which are the gases present in air? Why is air called a homogenous mixture?



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2. What are the uses of the various gases in air?



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3. What are the states in which water is found?



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4. What is meant by soil? How is soil formed?



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5. What are the ingredients of soil?



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6. Fill in the blanks with the appropriate term:

The capacity of air to hold moisture depends upon the _____ of the air.



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7. Fill in the blanks with the appropriate term:

Water does not have a _____ but has definite _____ and _____



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8. Fill in the blanks with the appropriate term:

While freezing, the _____ of water is lowered.



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9. Fill in the blanks with the appropriate term:

_____ soil has ph 7.



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10. Fill in the blanks with the appropriate term:

The_____pressure is the same in all the directions.



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11. Fill in the blanks with the appropriate term:

_____ soil has ph 7.



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12. State whether the following statements are true or false:

Sandy soil has low capacity for holding water.



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13. State whether the following statements are true or false:

Sea water is bad conductor of electricity.



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14. State whether the following statements are true or false:

The substance in which a solute dissolves is called a solvent



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15. State whether the following statements are true or false:

The pressure exerted by air is called atmospheric pressure.



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16. State whether the following statements are true or false:

The atmospheric pressure at sea level is about 1,01,400 newtons per square meter.



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17. State whether the following statements are true or false:

The level of humidity is same everywhere.



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18. With whom should I pair up?

(1)	Group 'A'	Group 'B'
	(1) Air	(a) Excretion
	(2) Water	(b) Scattering of light
	(3) Soil	(c) Plasticity



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19. With whom should I pair up?

(2)

Group 'A'	Group 'B'
(1) Acidic soil	(a) pH more than 7.5
(2) Neutral soil	(b) pH 6.5 to 7.5
(3) Alkaline soil	(c) pH less than 6.5



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20. With whom should I pair up?

(3)

Group 'A'	Group 'B'
(1) China clay	(a) Cosmetics
(2) <i>Shadu</i> soil	(b) Planting pots and decorative items
(3) Terracotta soil	(c) Statues and idols
(4) <i>Multani</i> soil	(d) Bathroom tiles and tanks



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21. What will happen if:

The amount of water vapour in the air increases.



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22. What will happen if:

Only one crop is grown repeatedly in the soil.



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23. What will happen if:

An uncorked inverted empty bottle is dipped in a slanting position into the wide container containing water.



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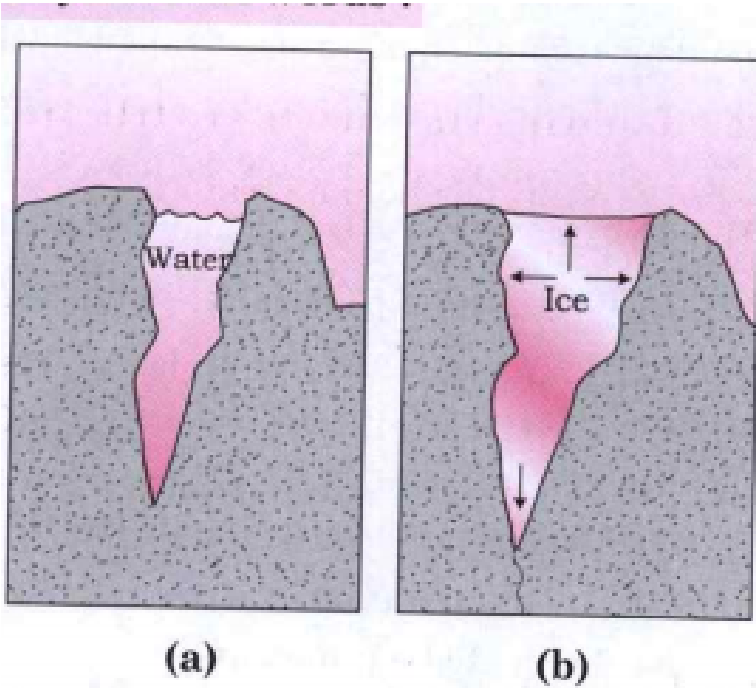
24. What will happen if:

When rays of light fall on minute particles in the air.



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25. Explain the picture in your own words:



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26. Write answers to the given question in your own words:

Which was the principle put forth by Daniel Bernoulli in 1726



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27. Write answers to the given question in your own words:

How is light scattered by the air?



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28. Write answers to the given question in your own words:

What is the importance of air in transmission of sound?



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29. Write answers to the given question in your own words:

Why do we see ice floating on water?



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30. Write answers to the given question in your own words:

Why should a glass bottle completely filled with water never be kept in a freezer?



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31. Write answers to the given question in your own words:

Explain the various properties of water.



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32. Write answers to the given question in your own words:

Why is the density of seawater more than that of rain water?



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33. Write answers to the given question in your own words:

What is the importance of good soil structure?



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34. Write answers to the given question in your own words:

What are the various uses of soil?



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35. Write answers to the given question in your own words:

What is the need and importance of soil testing from the point of view of farmers?



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36. Write answers to the given question in your own words:

what are the causes of diminished soil fertility?





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37. Write answers to the given question in your own words:

On pouring water in an oil cladded dish,water does not spread but forms small round drops.Why does this happen?



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38. Why is it said that

Air is a homogenous mixture of various gases.



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39. Why is it said that

Water is universal solvent.



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40. Why is it said that

There is no alternative to water for cleaning purposes.



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41. Why is it said that

The pulled out piston of syringe if released gets immediately pushed inside again.



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42. Why is it said that

The earth's surface remains warm



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43. Why is it said that

We can hear the whistle of a distant train clearly early in the morning in winter.



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44. Use your brain power!

What is the effect of increased temperature on the pressure of air?



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45. Use your brain power!

What would happen if all the air surrounding us is removed?



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46. Use your brain power!

Will sound be heard in space?



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47. Use your brain power!

In cold countries how do aquatic animals remain alive even after the rivers or lake freeze in winter?



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48. Use your brain power!

Why is it difficult to plough clay soil?



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49. Use your brain power!

Why is it easy to plough sandy soil?



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50. Use your brain power!

What is the water holding capacity of silt soil?



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51. Use your brain power! Which soil is suitable for cultivation? why?



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52. Answer the given question :

Name some of the substances that dissolve completely in water.



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53. Answer the given question :

Name any four solutes and solvents.



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54. Answer the given question orally:

Will the mass of water change when its state changes during the transformation of liquid water into ice?



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55. Answer the given question orally:

Why is it easier to swim in well or pond water than swimming in sea water?



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56. Answer the given question orally:

Give the meanings of solute, solvent and solution.



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