

Answer to Solutions practice Test

1) B

2) C

3) C

4) A

5) D

6) A

7) D

8) C

9) C

10) A

11) A

12) A

13) C

14) D

15) C

16) C

17) B

18) B

19) A

20) D

21) THE FREEZING POINT OF SALT WATER IS LESS THAN THE FREEZING POINT OF DISTILLED WATER.

22) $X = 1.4\text{mol}/2.0\text{L}$ $X = 0.70\text{M}$

23) 84g

24) Ammonium and chloride or NH_4^+ and Cl^-

25) REMEMBER: "LIKE DISSOLVES LIKE" So water is polar hydrogen chloride is also polar so they are soluble in each other. Methane on the other hand is nonpolar.