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Solution: 81

- (a) (i) W - Iodine
- (ii) X - Sodium Chloride
- (iii) Y - Naphthalene
- (iv) Z - Ammonium chloride.
- (b) W - Iodine; Y - Naphthalene; Z - Ammonium chloride.
- (c) Y - Naphthalene.
- (d) Tincture Iodine.
- (e) W - Iodine.

Solution: 82

- (a) (i) Water (ii) Ice (iii) Steam.
- (b) Freezing.
- (c) 0°C .
- (d) Boiling (or vaporisation).
- (e) 100°C

Solution: 83

- (a) (i) Liquid
- (ii) Gas
- (iii) Solid
- (iv) Plasma
- (v) Bose-Einstein Condensate (BEC).
- (b) Ammonium chloride; Sublimation.
- (c) Carbon dioxide.
- (d) Water.
- (e) D (plasma).

Solution: 84--Arvind

- (a) 273 K.
- (b) Freezing.
- (c) Latent heat of freezing.
- (d) Melting.
- (e) Latent heat of fusion.

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Solution: 85

- (a) 373 K.
- (b) Boiling (or vaporisation).
- (c) Latent heat of vaporisation.
- (d) Condensation.
- (e) Latent heat of condensation.

***** END *****