

Explain the following statements for the corresponding states only.

- (a) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (b) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 1 atm is \_\_\_\_\_.
- (c) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (d) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (e) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (f) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (g) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (h) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (i) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (j) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (k) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (l) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (m) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (n) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (o) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (p) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (q) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (r) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (s) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (t) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (u) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (v) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (w) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (x) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (y) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.
- (z) The compressibility factor for nitrogen at  $0^\circ\text{C}$  and 100 atm is \_\_\_\_\_.