

Exercise: Packing

1. What is the coordination number in:
 - a. the face-centred cubic (fcc) structure
 - b. the hexagonal closed-packed (hcp) structure
 - c. the body-centred cubic (bcc) structure

2. How many atoms per unit cell are there in:
 - a. the face-centred cubic (fcc) structure
 - b. the hexagonal closed-packed (hcp) structure
 - c. the body-centred cubic (bcc) structure

3. Calculate the packing fraction for the body-centred cubic (bcc) structure.