# Bonding and Phases — Answer Key

1. C
2. **(Likely none fit interstitial alloy; needs confirmation)**
3. A
4. B
5. C
6. A
7. D
8. A
9. B
10. **Needs figure (volume–time graph) to answer confidently**

Notes:

- Q2: Interstitial alloys typically form when **very small atoms** (C, H, B, N) sit in the holes of a metal lattice; none of the listed **metal–metal** pairs are classic interstitial pairs. If the original question's intent was "largest size mismatch," we can reassess with ionic radii data.