CHECKLIST

Neutron detection basics checklist

- [ ] Match the detector type to the expected neutron energies
- [ ] Inspect the moderating material for damage before use
- [ ] Run a response check against a known reference source
- [ ] Record background counts in a neutron-free area
- [ ] Keep readings within the detector's stated energy range
- [ ] Store the instrument away from damp conditions
- [ ] Compare moderation and shielding as separate concepts
- [ ] Review how helium-3 and boron-10 reactions differ