

Name \_\_\_\_\_

1. Two indenters, diamond indenter and steel-ball indenter, which one is used for testing hardened steels, and which one is used for testing aluminum, why?
2. Two hardness readings, 75HRC and 85HRB, which one is harder? why?
3. A tested hardness value is 10HRC, what's your comment on this test result.
4. Draw the (111) plane in a FCC unit cell and identify the three close packed directions.
5. What's your suggestion for the class if you are the instructor?