

7. If two objects have the same volume do they have to have the same mass? Explain. _____

8. Which object has the greatest density? Explain. _____

9. Which object has the smallest density? Explain. _____

10. Which two objects have the same density? Explain. _____

11. Which two objects would you expect to be made of the same material? Explain. _____

12. Why does the object with the largest volume not have the largest mass also? _____

13. Using squares and dots draw two pictures of objects with different volumes and densities in the space below. The object with smaller volume must have a smaller mass but greater density than the object with greater volume.