

Name: _____ Period: _____ Date: _____

CP Chemistry – Math in Chem Review Questions

1. Why is there math in science?
2. What is a hypothesis? How is a hypothesis different than a claim?
3. Describe what has to be included in a reasoning paragraph.
4. Explain what density is.
5. Which metric prefixes represent each quantity:
 - 1/100:
 - 1000:
 - 1/1000:
8. Explain what information you would need to be able to convert from mL to gallons
9. Convert 2.45×10^7 mL to gallons. (Show your work, use DA).
10. Convert 147km to inches. Express your answer in scientific notation.
11. What is the difference between mass and density?

12. Calculate the density of an object that has a volume of 68.7ml and a mass of 392.00g
13. If two objects have the same volume, but one is twice as massive as the other is, how do their density values compare?
14. What is a change in state?
15. What are the two types of observations, explain the difference?
16. What two types of properties are there? What is the difference?
17. What are the two types of changes that matter can undergo? Explain the difference.
18. When making a measurement the last digit is _____? Why?
19. What do significant figures tell you about a measurement?