



31. List the 5 steps of the scientific method in order:

- |          |          |
|----------|----------|
| 1. _____ | 2. _____ |
| 3. _____ | 4. _____ |
| 5. _____ |          |

32. **Scientific Notation**

- |  |   |
|--|---|
| a. $0.012 = \underline{\hspace{2cm}} \times 10$    | b. $123.56 = \underline{\hspace{2cm}} \times 10$    |
| c. $1.200034 = \underline{\hspace{2cm}} \times 10$ | d. $0.0000131 = \underline{\hspace{2cm}} \times 10$ |

33. **Conversion**

- |  |   |
|--|---|
| a. $1.2 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$   | b. $567 \text{ hm} = \underline{\hspace{2cm}} \text{ mm}$   |
| c. $3.41 \text{ l} = \underline{\hspace{2cm}} \text{ dal}$ | d. $0.230 \text{ cg} = \underline{\hspace{2cm}} \text{ dg}$ |

- |  |            |
|--|------------|
| 34. What depends on the # of atoms that makes up an object _____ | A. density |
| 35. This depends on mass ----- by volume (m/v) _____             | B. volume  |
| 36. The displacement of an object is known as _____              | C. mass    |

37. Significant Figures

- a. 1.60 has \_\_\_\_\_ significant figures
- b. 16.00 has \_\_\_\_\_ significant figures
- c. 1.6308 has \_\_\_\_\_ significant figures
- d. scientific notation of  $1.1 \times 10^3$  has \_\_\_\_\_ significant figures
- e. 1.638 is more or less precise than 1.63 \_\_\_\_\_

38. Know the difference between precision & accuracy.

