Chemistry I-Standard

Molecular Mass & Percent Composition Practice

For the first 10 problems, calculate the molar mass of the substance given. Remember to round all molecular weights to 2 decimal places like it is recorded on your periodic table. **Show all work!**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | NaBr | 6. | ammonium carbonate |
| 2. | PbSO4 | 7. | iron(II) phosphate |
| 3. | Ca(OH)2 | 8. | ammonium sulfide |
| 4. | Na3PO4 | 9. | zinc acetate |
| 5. | C6H12O6 | 10. | cobalt(II) fluoride |

For the next two problems, calculate the percent composition for all elements in the compound.

11. N2S2

N: \_\_\_\_\_\_\_\_\_\_\_

S: \_\_\_\_\_\_\_\_\_\_\_

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12. KMnO4

K: \_\_\_\_\_\_\_\_\_\_\_

Mn: \_\_\_\_\_\_\_\_\_\_\_

O: \_\_\_\_\_\_\_\_\_\_\_