Atomic mass questions Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Bismuth has a mass # of 209 and an atomic # of 83. How many neutrons does it have? \_\_\_\_\_\_\_\_\_\_\_\_
2. What is the difference between mass number and atomic mass?
3. An atom’s mass is measured in units called:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. A certain element has three istotopes: 1 = 23.895 amu at 78.99% abundance

2 = 24.986 amu at 10.00% abundance

3 = 25.982 amu at 11.01% abundance

What is the element’s atomic mass? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use your periodic table to find out what element this is. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Atomic mass units are based off which element isotope? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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