

element	oxygen	masses	neutrons	atomic mass
mass number	protons	hydrogen	proton or neutron	
amu (atomic mass unit)				

Lesson Review

Complete the following.

1. The total mass of the protons and neutrons in an atom is called the _____.
2. One amu is equal to the mass of one _____.
3. The element _____ has a mass number and atomic number of one.
4. The total number of _____ in an atom is determined by subtracting the atomic number from its mass number.
5. Neutrons and _____ have the same mass.
6. The total number of protons and neutrons in the nucleus of an atom is called the _____.
7. The mass of an atom is measured in _____.
8. Each _____ has its own mass number.
9. Since atoms of different elements have different numbers of protons and neutrons, their _____ are also different.
10. The element _____ has an atomic number of 8 and a mass number of 16.

Skill Challenge

Skills: synthesizing, comparing

Use the table to answer the following questions.

Element	Atomic Number	Mass Number
Helium	2	4
Sodium	11	23
Iron	26	56
Gold	79	197
Lead	82	207

1. How many neutrons are in an atom of helium? _____
2. How many protons are in an atom of iron? _____
3. How many neutrons are in an atom of lead? _____
4. How many electrons are in an atom of sodium? _____
5. Which element has 87 electrons in one of its atoms? _____