

## What is an atomic mass?

### 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 an atomic number of 1.
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. The element \_\_\_\_\_ has an atomic number of 8 and a mass number of 16.

### Skill Challenge

**Skills:** synthesizing, comparing

Use the table below 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? \_\_\_\_\_