

Name: \_\_\_\_\_

How many protons, neutrons and electrons  
are found in an atom

Example: Cesium

Atomic number = \_\_\_\_\_

There are \_\_\_ protons and therefore \_\_\_ electrons

Atomic Mass = \_\_\_\_\_

So to figure out the number of neutrons, use:

\_\_\_\_\_

There are \_\_\_ neutrons

How many protons, neutrons and electrons  
are found in an atom

Example: Lead

Atomic number = \_\_\_\_\_

There are \_\_\_ protons and therefore \_\_\_ electrons

Atomic Mass = \_\_\_\_\_

So to figure out the number of neutrons, use:

\_\_\_\_\_

There are \_\_\_ neutrons

## Determining the Number of Atomic Particles

1. Each row in the table represents a different element. Use the information provided to fill in the required information for that element.

Number of protons in the atom	Number of electrons in the atom	Number of neutrons in the atom	Atomic mass of the atom	Atomic number of the atom	Element name	Chemical symbol
7	7					
5	5	6				
1	1	0				
						Ca
30		35				
			27	13		
9			19			
		28			Vanadium	V
	17		35	17		
	3					Li
	79					Au
	11		23	11		
	33			33		
					tin	
	19					K

2. Create a similar exercise to the one above and exchange with one of your classmates.

Protons	Electrons	Neutrons	Atomic mass	Atomic number	Element name	Chemical symbol

This chart was completed by: \_\_\_\_\_