

## The Chemistry of Living Things

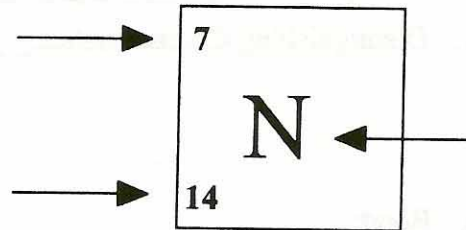
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Complete the following in-class assignment using your notes from today's lecture.  
You may work together with your neighbors.

This assignment is due at the end of today's lecture to get credit (5pts).

### Periodic Table of Elements

1. Review Atomic Number and Atomic Mass
2. Label the figure to the right
3. How do you find the number of neutrons?



4. What are Isotopes?

Fill out the chart below for the following elements:



Atomic No.				
Atomic Mass				
# Protons				
# Electrons				
# Neutrons				

**List Three Types of Chemical Bonds:**

- 1.
- a. Bond: \_\_\_\_\_
  - b. Strong or weak: \_\_\_\_\_
  - c. Distinguishing characteristics: \_\_\_\_\_

- 2.
- a. Bond: \_\_\_\_\_
  - b. Strong or weak: \_\_\_\_\_
  - c. Distinguishing Characteristics: \_\_\_\_\_

- 3.
- a. Bond: \_\_\_\_\_
  - b. Strong or weak: \_\_\_\_\_
  - c. Distinguishing characteristics: \_\_\_\_\_

**pH: Acids and Bases**

List some characteristics of acids:

List some characteristics of bases:

Use the pH scale below and write in the following items where you think they belong:

milk	blood	tap water	strawberries	bleach
mayonaise	stomach contents	baking soda	beer	cola

