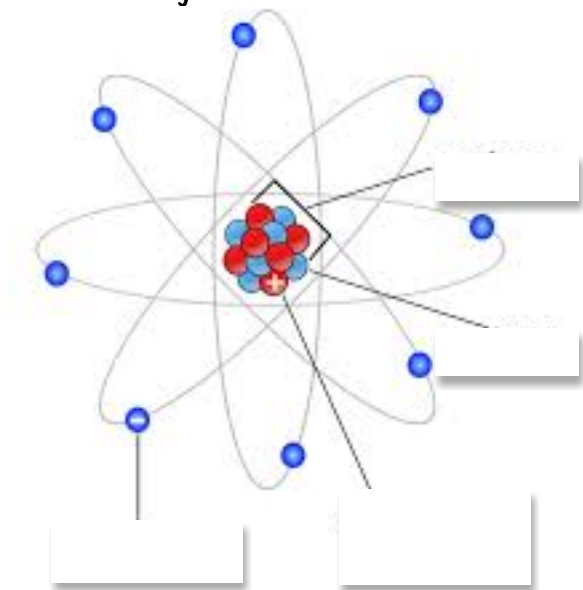


Read each question carefully and then select the best answer. Be sure to clearly circle your answer.

1. Which of the following can be considered the basic unit of all matter?

- a. Atoms
- b. Elements
- c. Mixtures
- d. Compounds

2. Label the diagram below with the correct terms (proton, neutron, electron, nucleus).



3. Complete the chart below with the proper names.

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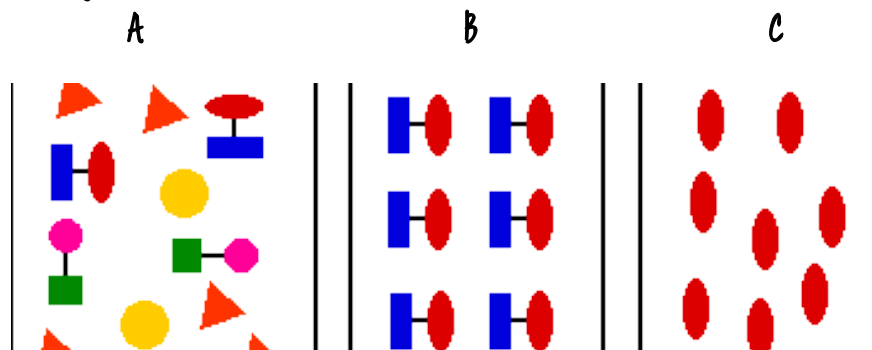
4. A pure substance that has the same type of atoms and cannot be broken down into something simpler by chemical means and is called _____.

- a. a mixture
- b. an element
- c. a compound
- d. an atom

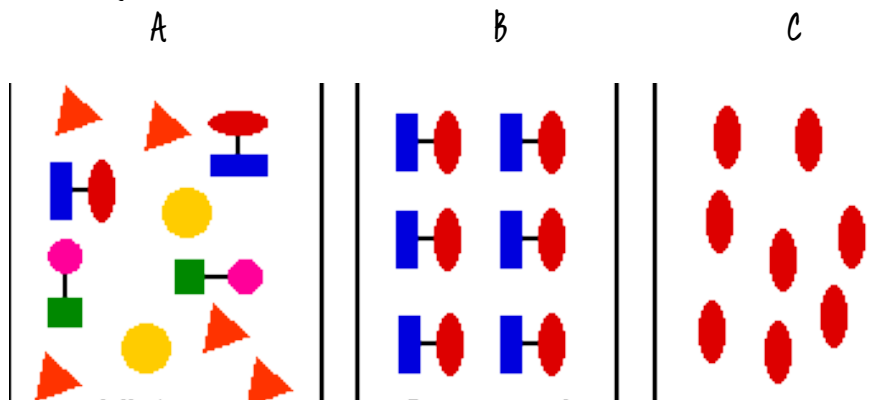
5. How is a compound different from a mixture?

- a. Mixtures are formed physically and compounds are formed chemically.
- b. Compounds are formed physically and mixtures are formed chemically.
- c. Mixtures, on average, are heavier than compounds
- d. Compounds, on average, are heavier than mixtures

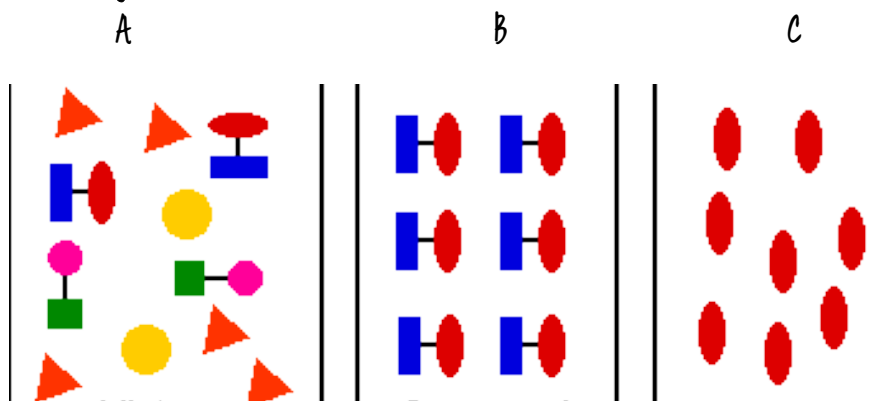
6. Which of the following squares represents an element?



7. Which of the following squares represents a compound?



8. Which of the following squares represents a mixture?



9. Which of the following items is/are responsible for forming a pure element?

- a. Atoms
- b. Mixtures
- c. Compounds
- d. All fo the above

10. Which of the following items is /are responsible for forming mixtures

- a. Atoms
- b. Elements
- c. Compounds
- d. All of the above