



**Directions:** Circle the two terms in each group that are related. Then explain why the terms are related.

1. copper, iron, salt

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2. air, milk, water

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3. protons, neutrons, mixtures

\_\_\_\_\_

4. mixture, isotope, compound

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**Directions:** Circle the term that correctly completes the sentence.

5. The number of protons in an atom determines its (atomic number/nucleus).
6. An element's (atomic mass/mass number) is an average mass of the different isotopes of the element.
7. A(n) (compound/element) is matter that is made up of only one kind of atom.
8. (Mixtures/Isotopes) are atoms of the same element with different numbers of neutrons.
9. (Metals/Metalloids) are the best conductors of heat and electricity.
10. All the metals except mercury are (solid/liquid) at room temperature.
11. A(n) (compound/element) is a substance whose smallest unit is made up of more than one element.
12. Matter that has the same composition and properties throughout is called a(n) (substance/isotope).