

Properties of Matter Notes

Vocabulary

Chemistry - _____

Matter – _____

Elements

Element - _____

- _____ elements
- _____ are found naturally, about _____ %
- others are _____
- majority of the elements are _____
- some are exceedingly _____.
- only a _____ or so make up everyday things
 - primarily: _____, _____, _____,
& _____.

Compounds

Compound- _____

_____ from the elements it contains

ex. Water: _____

hydrogen & oxygen

- _____
- _____
- _____

Mixtures

Mixture - _____

ex. _____

Types of Mixtures

Homogenous

Homo- : _____ *-genus*: _____

- substances are so _____
that it is difficult to distinguish one substance from another

- appears to contain _____ substance

ex. _____

Heterogeneous

Hetero- : _____ *-genus*; _____

- _____ in composition

- different components can be seen as _____

ex: salsa: _____

A _____ is a type of heterogeneous mixture that at first appears uniform, but separates into layers over time

ex: _____

Physical Properties of Matter

a characteristic of a substance that can be observed or measured without _____
of the substance

_____ : temperature at which a substance

changes from a _____
_____: temperature at which a substance
changes from a _____
_____: the ratio of a material's _____ to
its _____.
D= _____

Chemical Properties of Matter

Any change in the composition of matter that _____

- can only be observed when the substances in a sample of matter are changing into a different substance

_____ - material's ability to _____ in the presence of _____

_____ - how readily a substance _____ with other _____

How do you know if a chemical change occurred?

Look for _____ of a chemical change

- production of _____
- the formation of _____
- production of _____, or it becomes _____.
- production of _____.