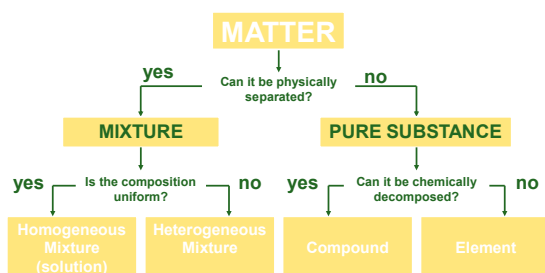


Classification of Matter

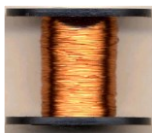
Add graphic to your notebook

Please be frugal
with glue stick



Pure Substances

- Element
 - composed of identical atoms
 - EX: copper wire, aluminum foil



Pure Substances

- Compound
 - composed of 2 or more elements in a fixed ratio
 - properties differ from those of individual elements
 - EX: table salt (NaCl)



Mixtures

- **Variable combination of 2 or more pure substances.**



Heterogeneous



Homogeneous

Mixtures

- Solution
 - homogeneous
 - very small particles
 - particles don't settle
 - EX: rubbing alcohol



Mixtures

- Heterogeneous
 - medium-sized to large-sized particles
 - particles may or may not settle
 - EX: milk, fresh-squeezed lemonade



Mixtures

- | | |
|--|--|
| <ul style="list-style-type: none"> • Examples: <ul style="list-style-type: none"> • tea • muddy water • saltwater • Italian salad dressing | <ul style="list-style-type: none"> • Answers: <ul style="list-style-type: none"> • Solution • Heterogeneous • Solution • Heterogeneous |
|--|--|
