Summer Review Sheet #1

States of matter, elements, compounds, mixtures

Answers are provided on the second sheet. Please try to do the worksheet without referring to them. Because you'll be expected to know this stuff the first day of school!

1) List the three states of matter and describe their basic properties.

2) Classify the following as either elements, compounds, homogeneous mixtures (solutions) or heterogeneous mixtures:

   a) copper (II) sulfate

   b) Kool-Aid

   c) wood

   d) plastic

   e) lined paper

   f) gasoline

3) Why are homogeneous mixtures more difficult to separate than heterogeneous mixtures?

4) Why can't elements be separated into smaller parts using chemical means?

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