

The following pages include particle diagrams. For each one, please determine if they represent

Mono-atomic elements
Di-atomic elements
Molecules
Substances
Compounds
or Mixtures

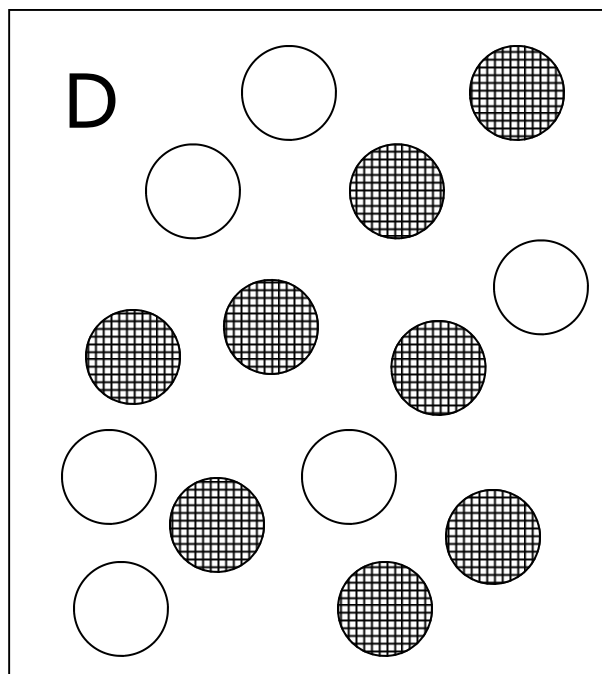
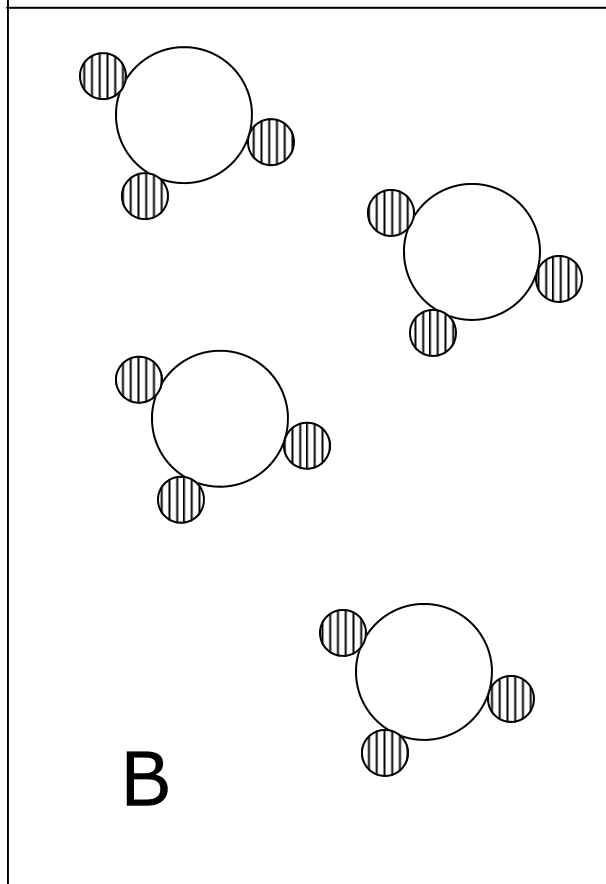
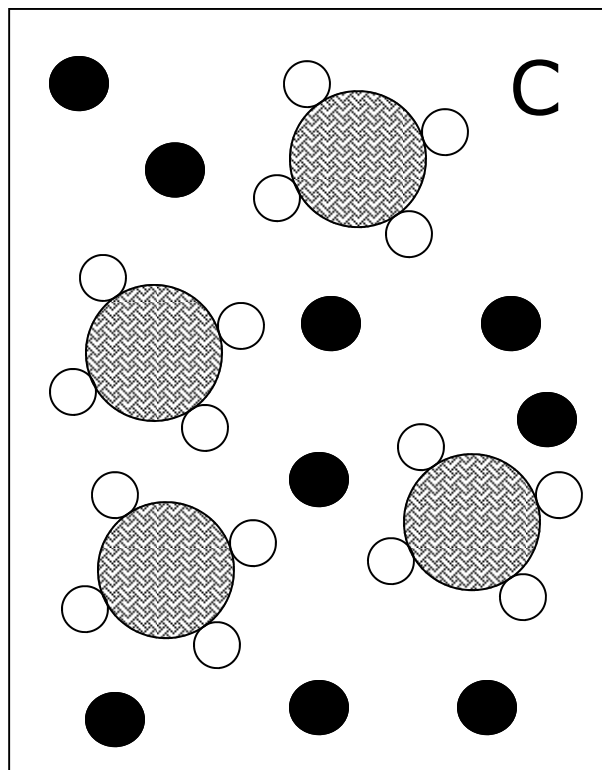
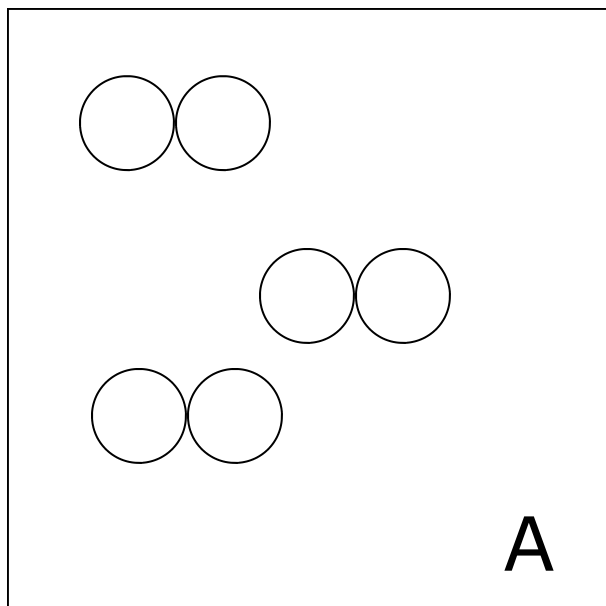
Each box may have more than one correct answer.

Try to “defend” your answer by labeling each little cartoon with a possible real atom/molecule/mixture chemistry label.

Answers on pages 4 and 5

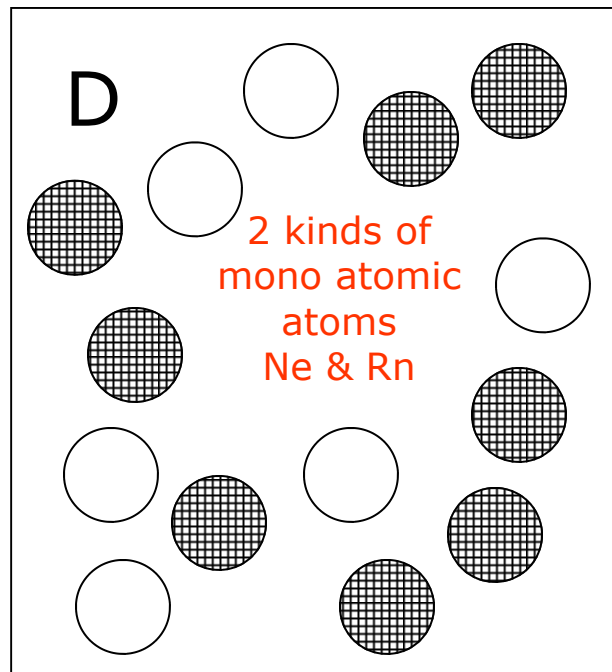
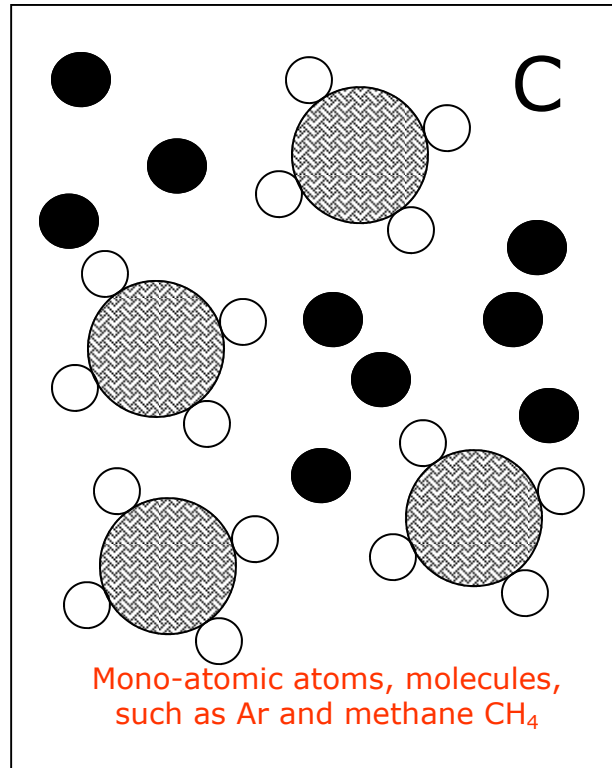
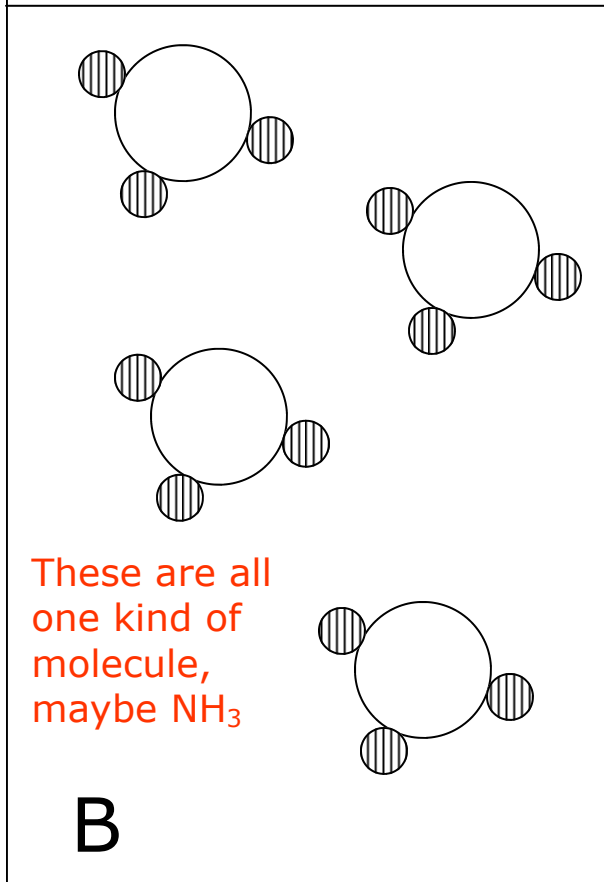
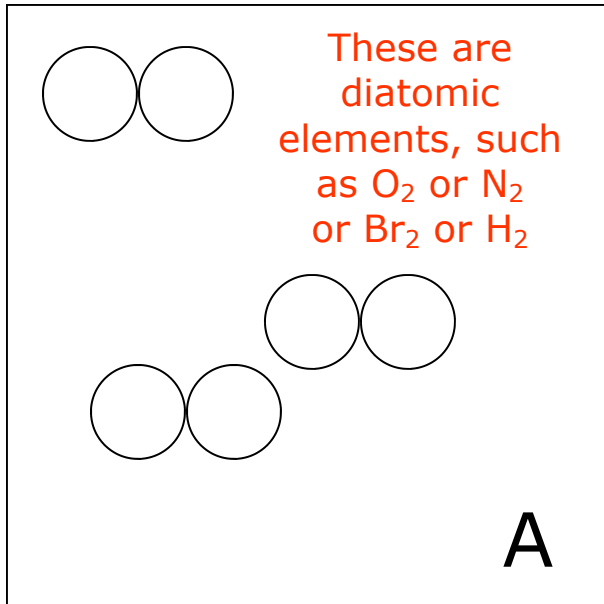
Monoatomic elements
Diatomic elements
Molecules

Substances
Compounds
Mixtures

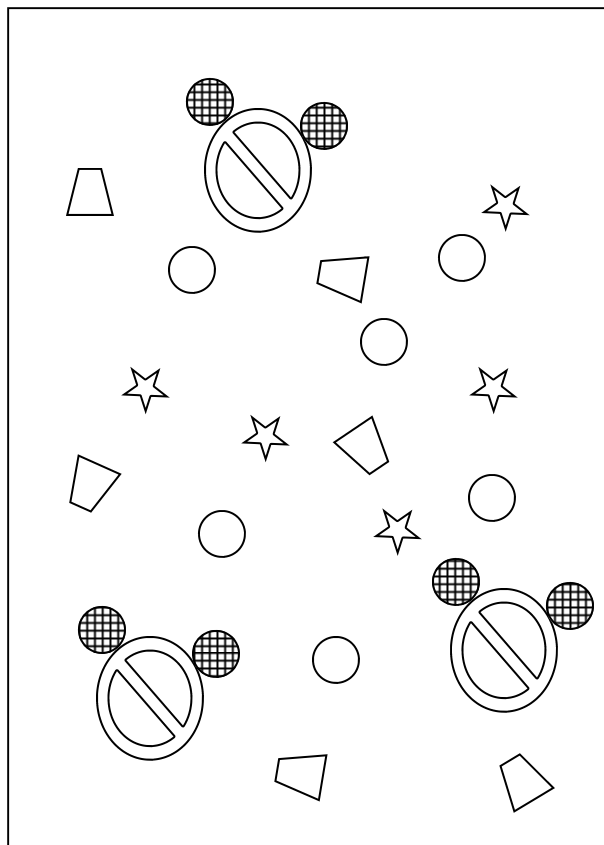
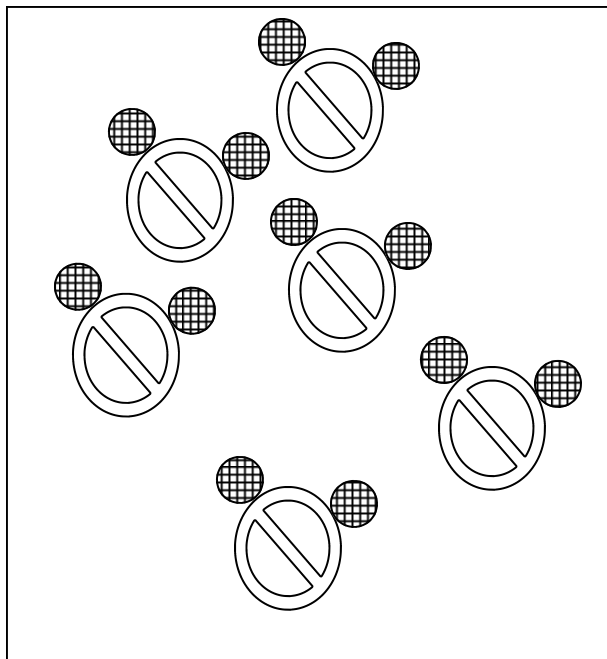
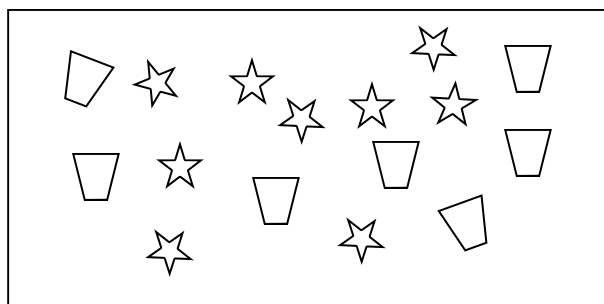
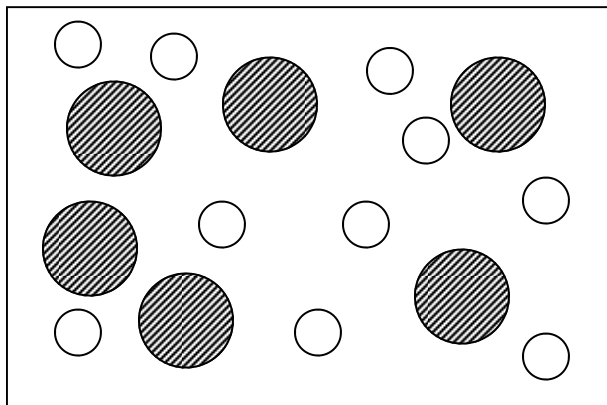
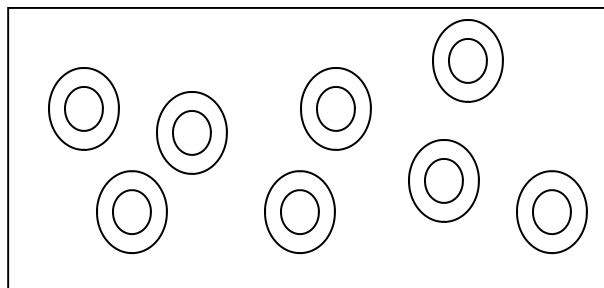
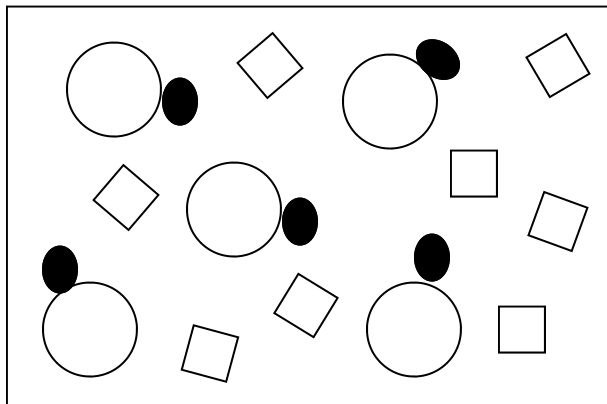


Monoatomic elements
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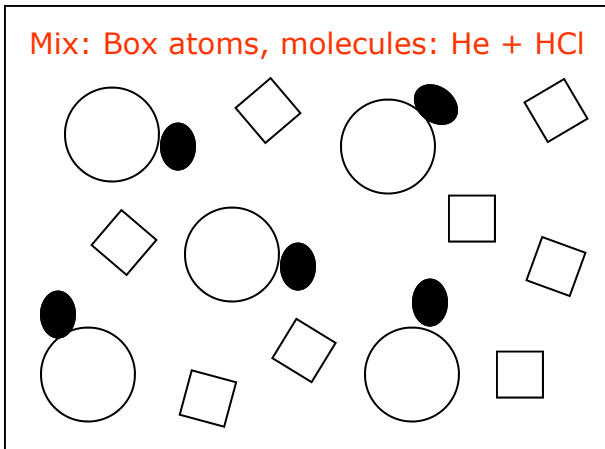


Choose, substance or mixture, describe as elements only, compounds only, mixture of elements, mixture of compounds, mixture of elements with compounds.

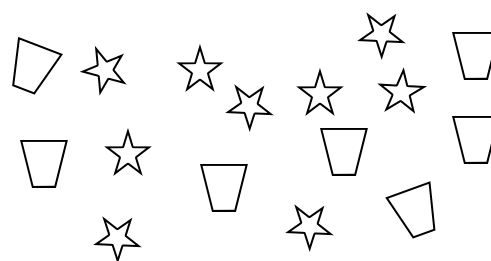
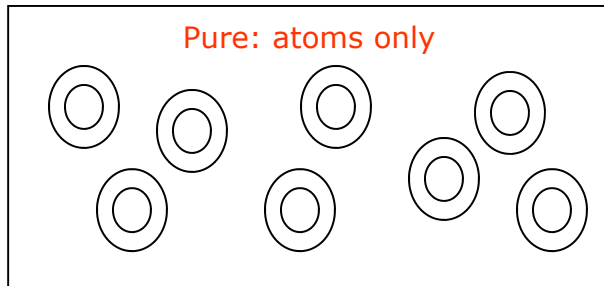


Choose, substance or mixture, describe as elements only, compounds only, mixture of elements, mixture of compounds, mixture of elements with compounds.

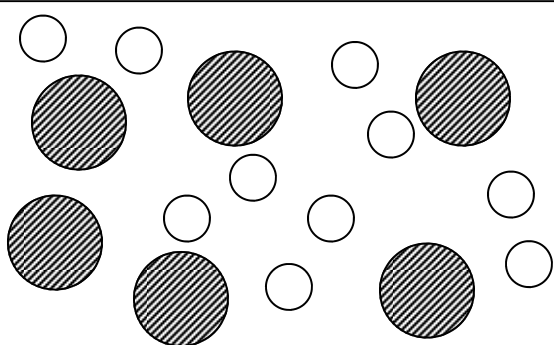
Mix: Box atoms, molecules: He + HCl



Pure: atoms only

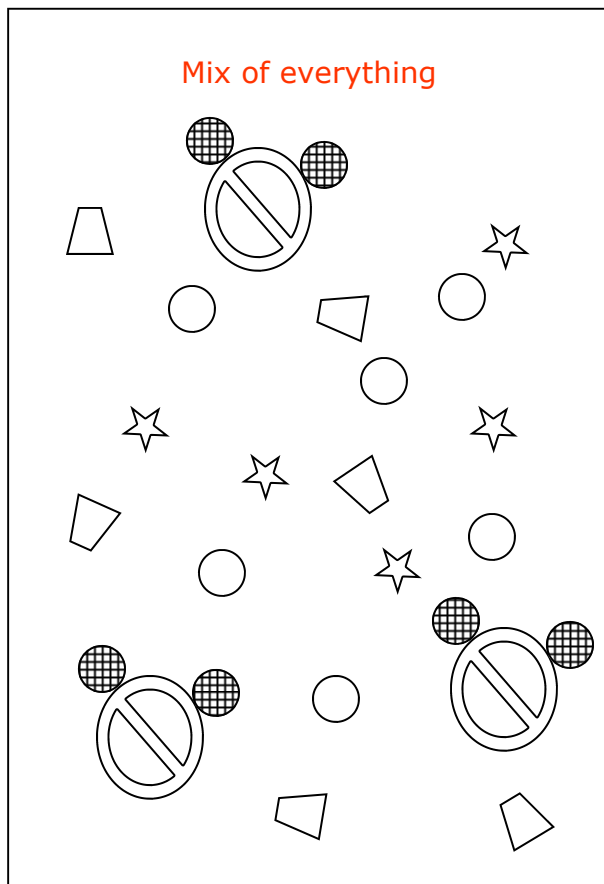


Mix: atoms + atoms



Mix: atoms + atoms: He + Kr

Mix of everything



Pure compound: water H₂O

