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ELEMENTS, COMPOUNDS, MIXTURES 3

SUBSTANCES

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graph TD; A[SUBSTANCES] --> B[PURE SUBSTANCE]; A --> C[Mixture]; B --> D[Element]; B --> E[Compound];
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PURE SUBSTANCE

All the particles
are the same

Element

Substance made
from only one
type of atom

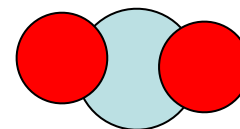
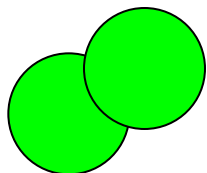
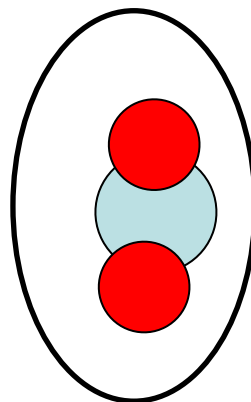
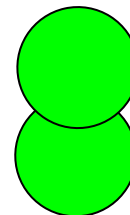
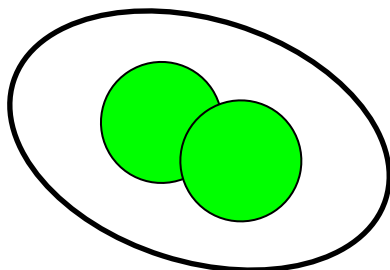
Compound

Substance made from
different types of atoms
joined together

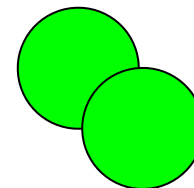
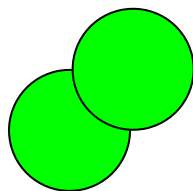
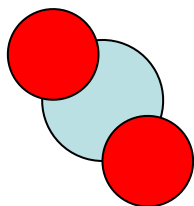
Mixture

Contains different
particles

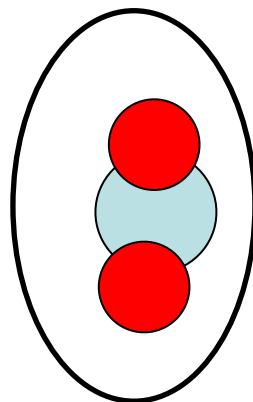
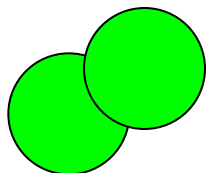
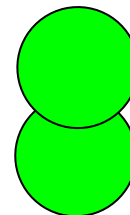
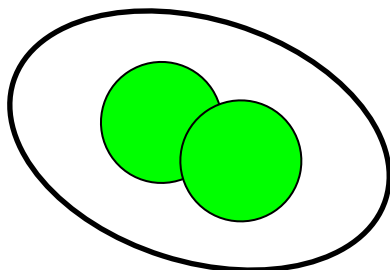
1



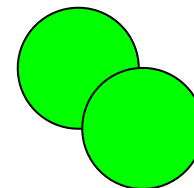
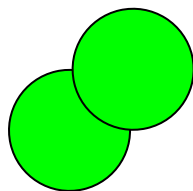
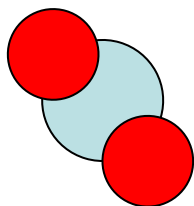
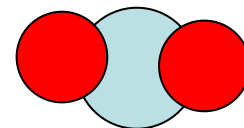
MIXTURE



1

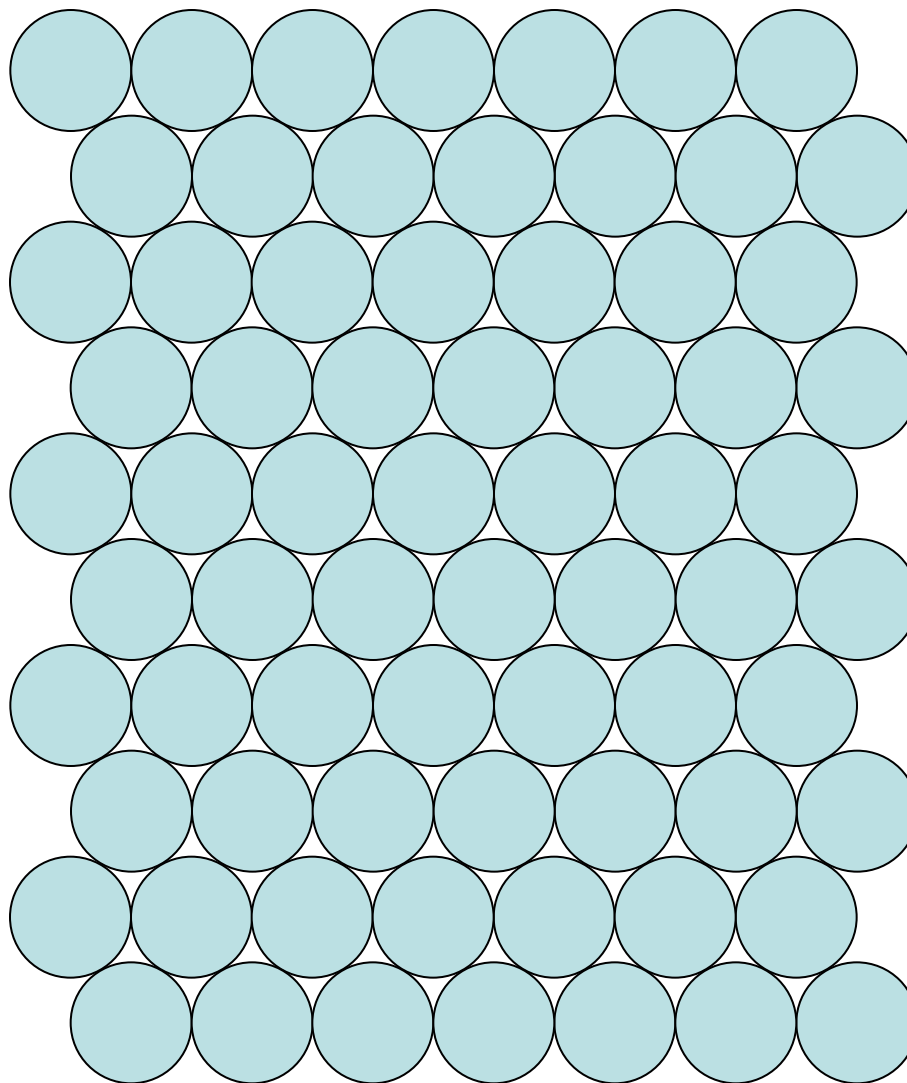


**Mixture of
element +
compound**

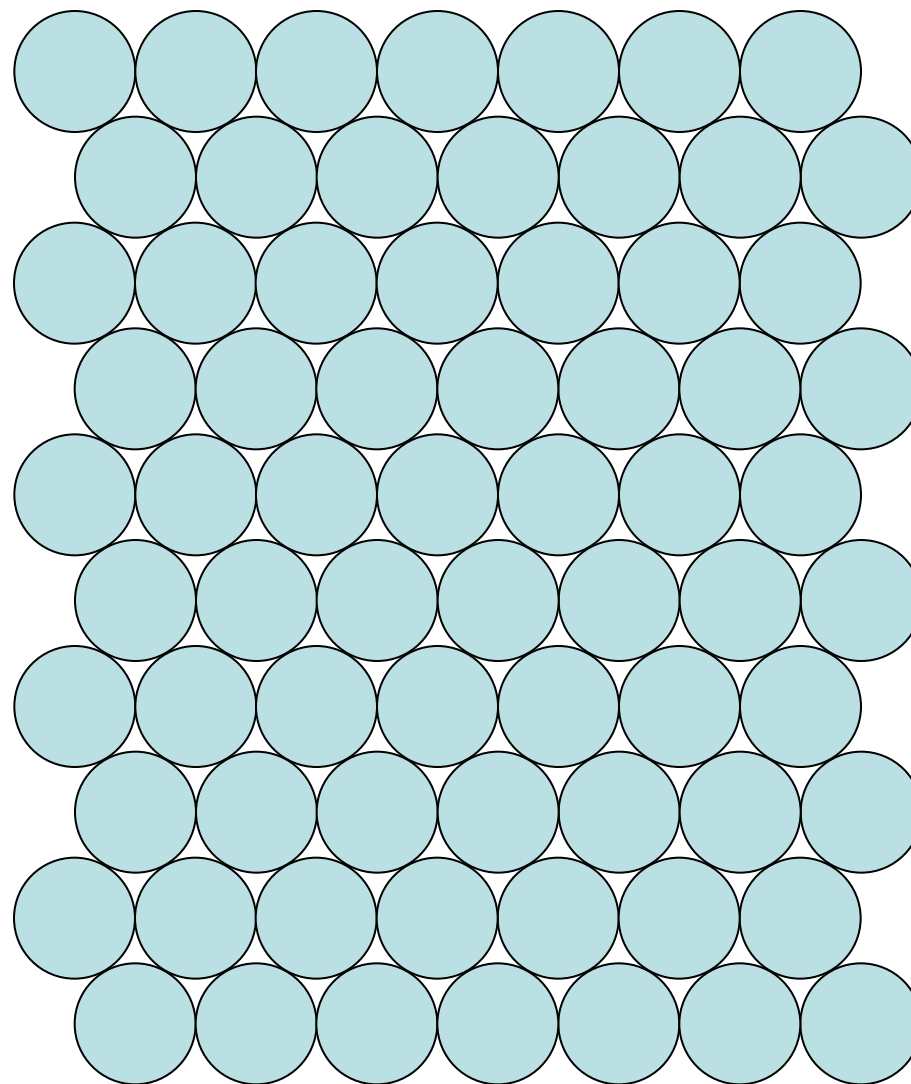


2

PURE

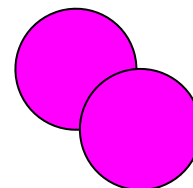
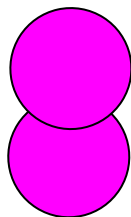
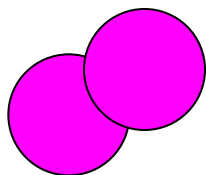
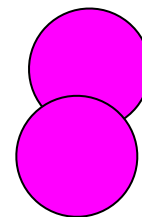
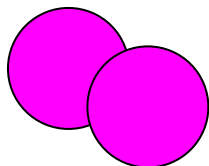


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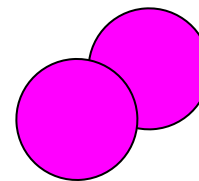
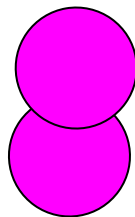
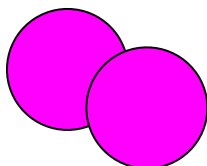


Element

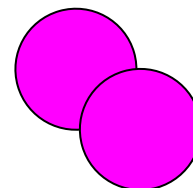
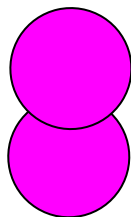
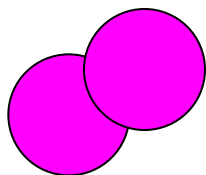
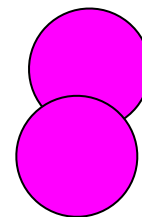
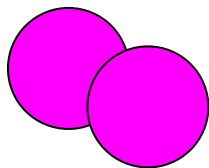
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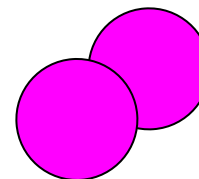
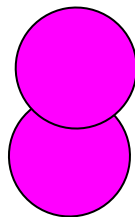
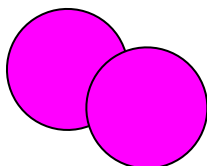
PURE



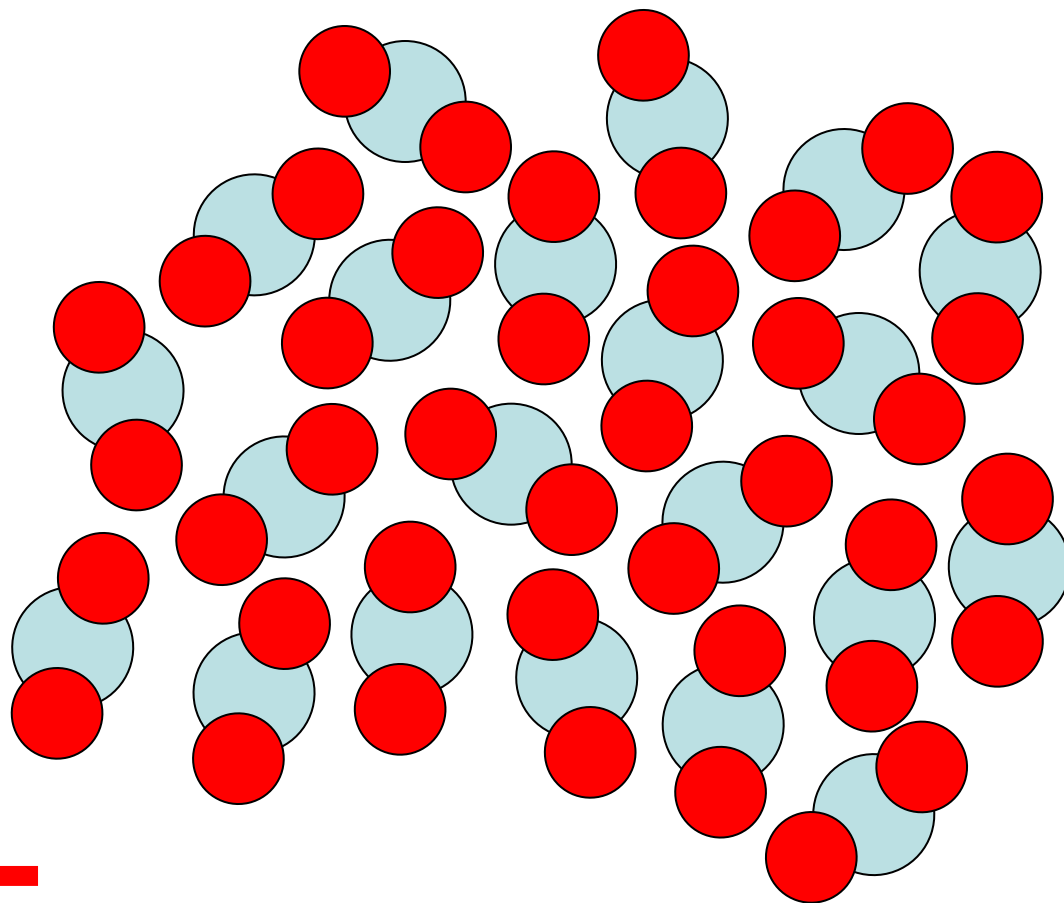
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Element

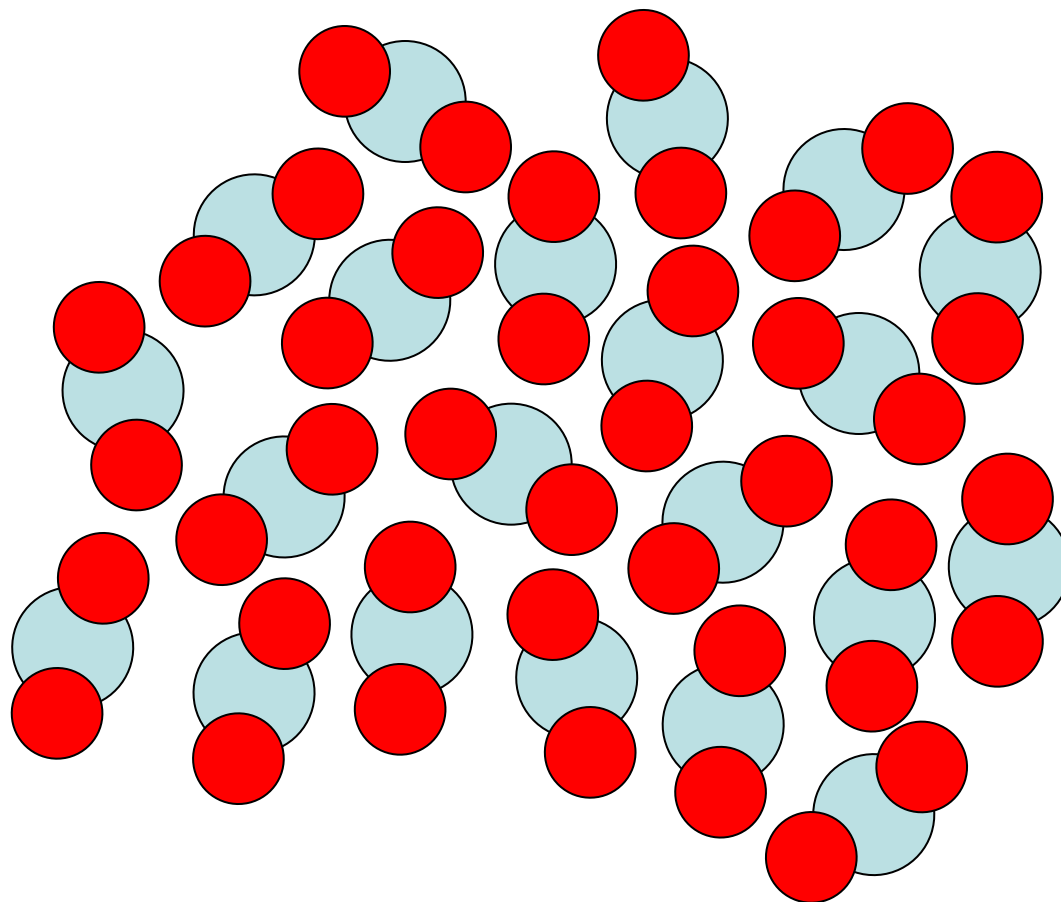


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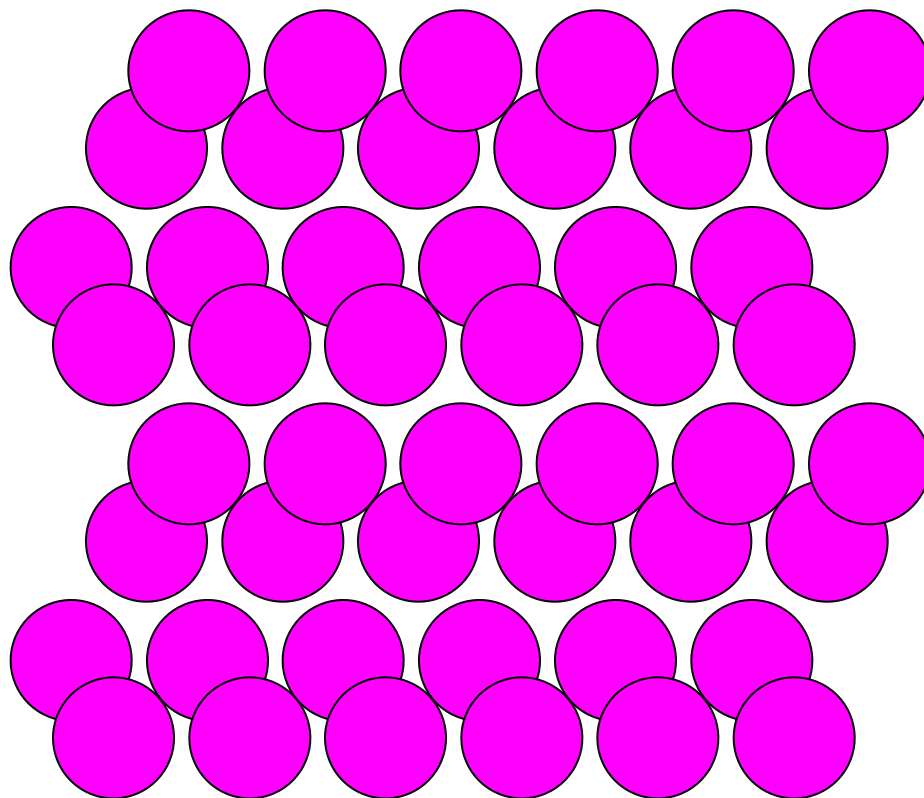
PURE

4



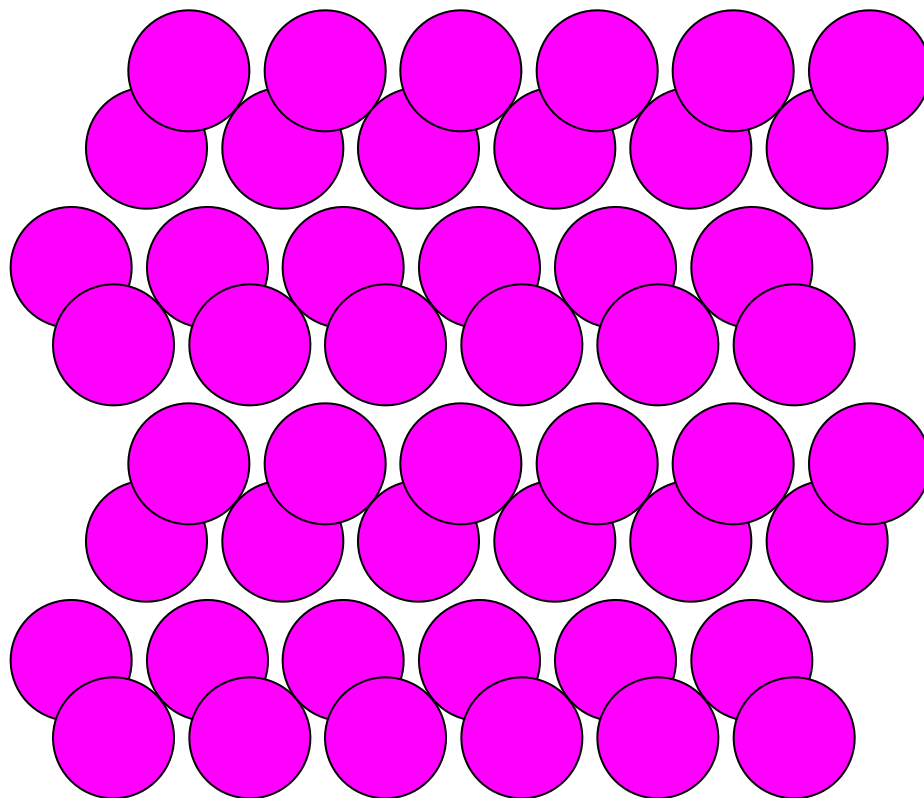
Compound

5



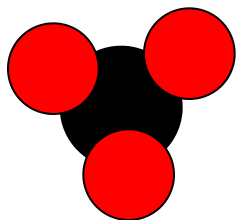
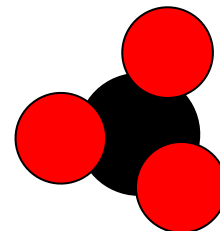
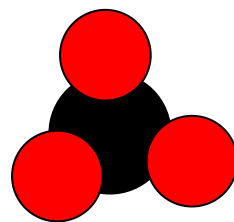
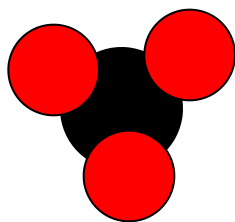
PURE

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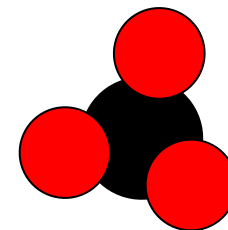
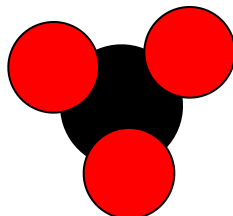


Element

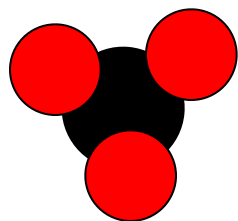
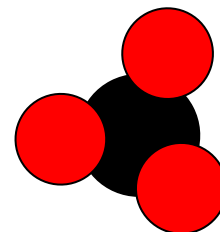
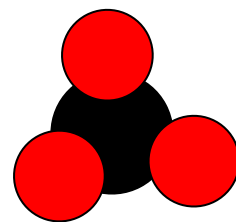
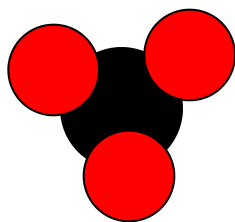
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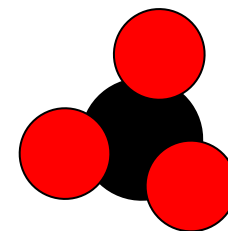
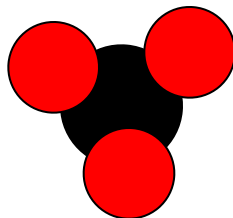
PURE



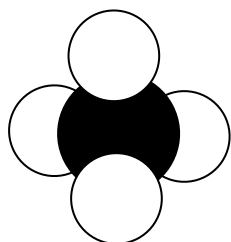
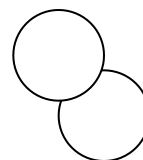
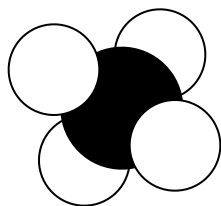
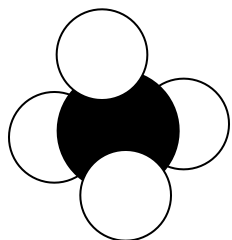
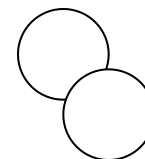
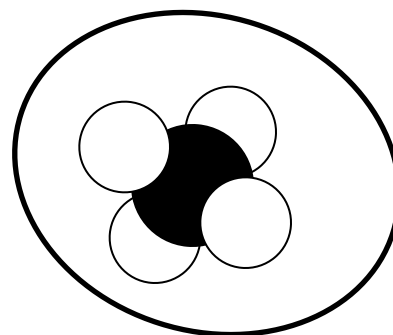
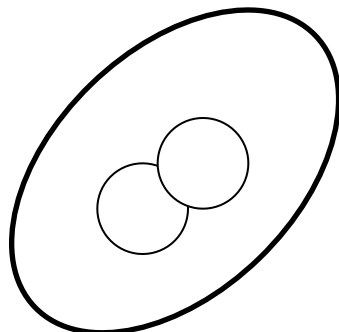
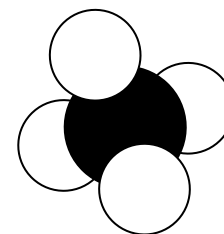
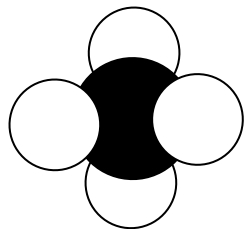
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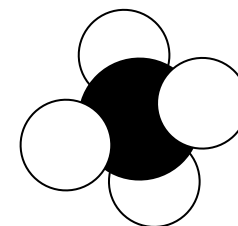
Compound



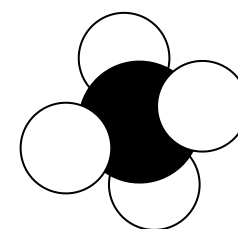
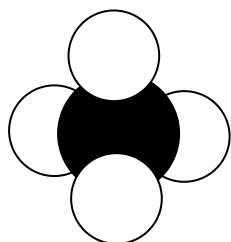
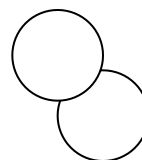
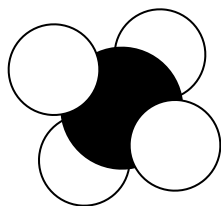
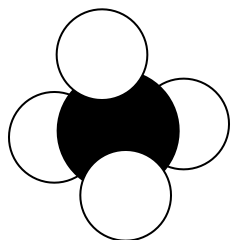
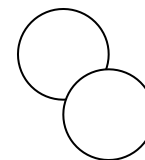
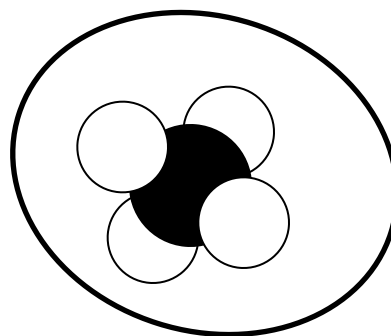
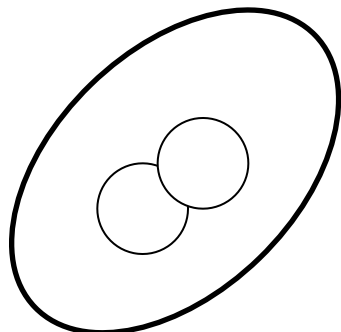
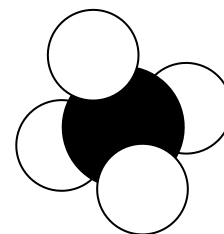
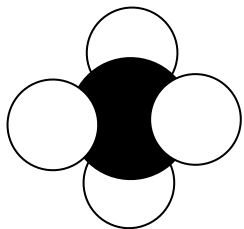
7



MIXTURE



7



**Mixture of
element +
compound**

8

Mineral Water



MIXTURE

8

Mineral Water



Lots of minerals

9



Diamond

PURE

9



Diamond

C
Element

10



Helium
PURE

10



Helium
He
Element

11

Air

MIXTURE

11

Air

N₂

O₂

Ar

CO₂

H₂O

12



Carbon dioxide

PURE

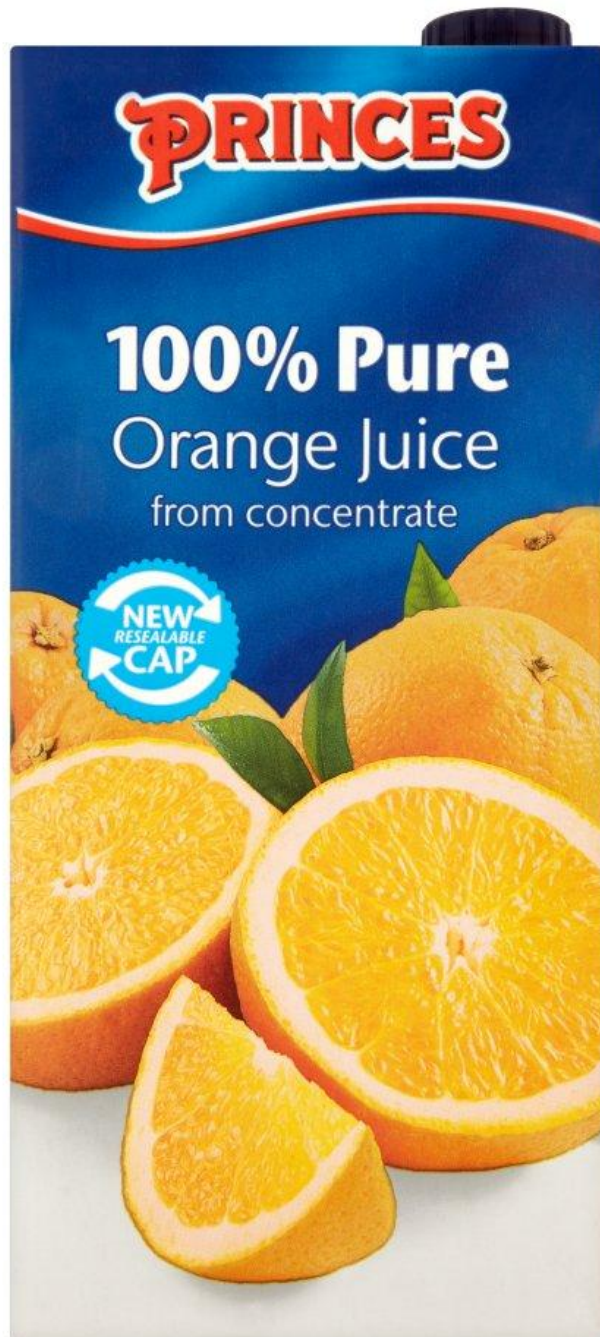
12



**Carbon
dioxide**

**CO₂
Compound**

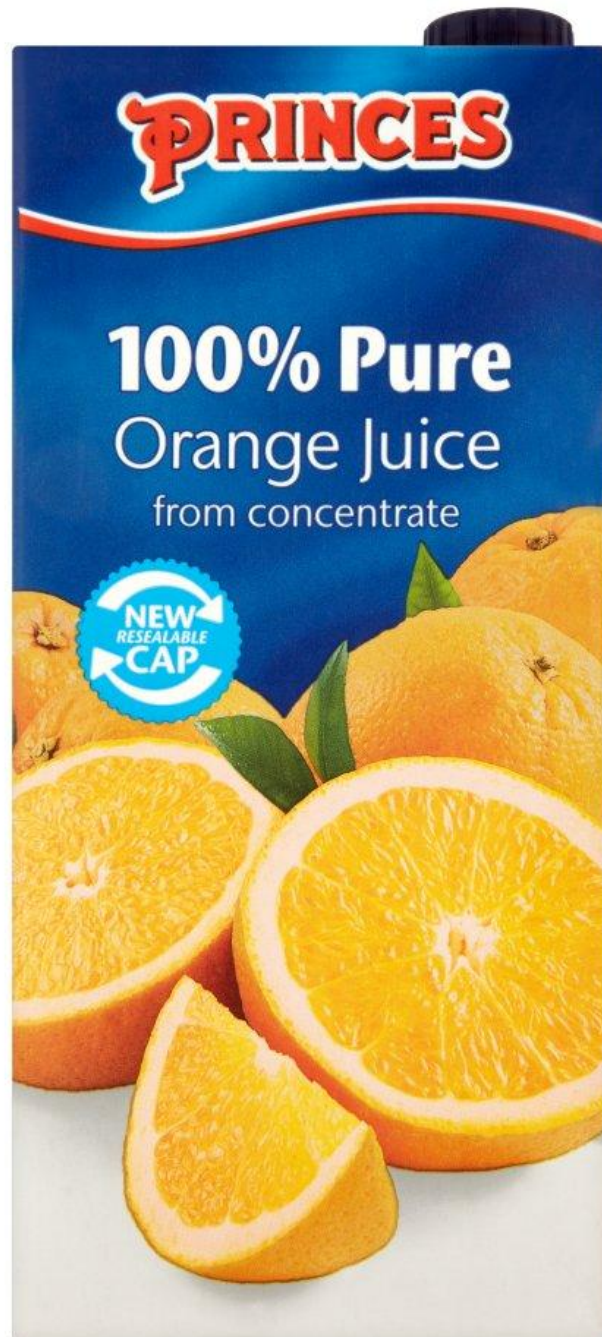
13



**Orange
Juice**

MIXTURE

13



Orange Juice

Water
Citric acid
Vitamin C
etc