

Name:

Class:



Complete the following definitions:

An atom is:

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A compound is:

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Describe a test, and its positive result, to show that a substance is water.

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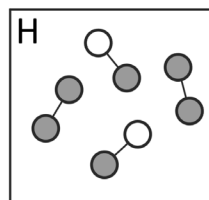
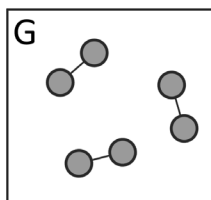
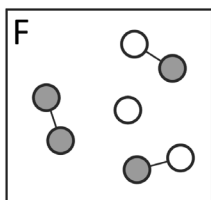
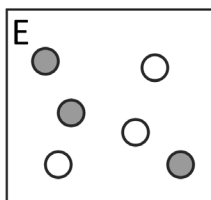
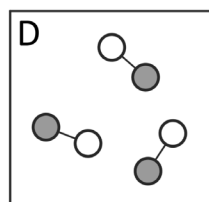
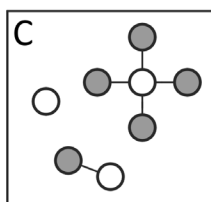
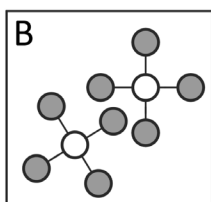
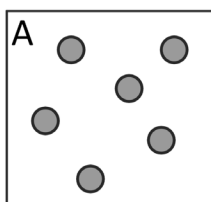
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Complete the word equation:

sodium hydroxide + sulfuric acid $\rightarrow$

Each circle represents an atom; circles of the same colour are atoms of the same element.
A line between two atoms represents a chemical bond.



i. Which diagrams represent pure substances?

ii. Which diagram represents a mixture of one compound and two elements?

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iii. Which diagram represents an element made from molecules?

Give the formulae for the following.

Sodium chloride	
Ammonia	
Magnesium chloride	

Describe a test to show that a gas is chlorine.

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Is pure copper an element, compound, or mixture?