



Elements, Mixtures and Compounds



A. Link each particle or substance with the correct diagram and description. The first has been completed for you.

Particle/substance		Diagram		Description
An atom	•		•	<ul style="list-style-type: none"> • Two or more elements chemically combined
A molecule	•		•	<ul style="list-style-type: none"> • A charged particle
An ion	•		•	<ul style="list-style-type: none"> • A single particle (no charge)
An element	•		•	<ul style="list-style-type: none"> • A collection of atoms or molecules of the same kind
A compound	•		•	<ul style="list-style-type: none"> • 2 or more atoms chemically joined together
A mixture	•		•	<ul style="list-style-type: none"> • Different elements or compounds mixed together

B. Study the diagrams, and decide which one each statement below is describing.

a 	b 	c 	d
e 	f 	g 	h

1. Atoms of a single element ____
2. Molecules of a single element ____
3. A mixture of 2 elements, both of which are made of atoms ____
4. A mixture of 2 elements, both of which are made of molecules ____
5. A mixture of 2 elements, one of which is made of atoms, the other molecules ____
6. A pure compound made of molecules ____
7. A pure compound made of ions ____
8. A mixture of 2 compounds ____