

**8Ea/7**

## **Materials connectives**

Copy and complete the following sentences. Include one of the following words or phrases in each answer.

**and   because   but   however   such as  
therefore   which   so   to**

- 1 Alessandro Volta invented the battery about 200 years ago ...
- 2 Scientists used to think that potash was an element ...
- 3 Elements like gold and silver have been known about for thousands of years ...
- 4 Elements like copper and tin are fairly easy to get out of rocks ...
- 5 There are only 115 different elements ...

**S** knowledge

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# States of matter

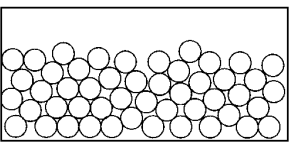
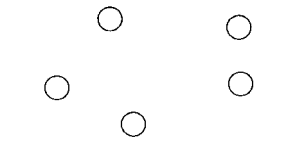
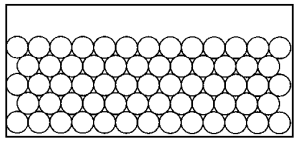
The boxes below give information about solids, liquids and gases.

Cut out the table and stick it in your book.

Cut out the boxes at the bottom of the sheet and arrange them in the table in the correct order.

Stick them down to make up the complete table

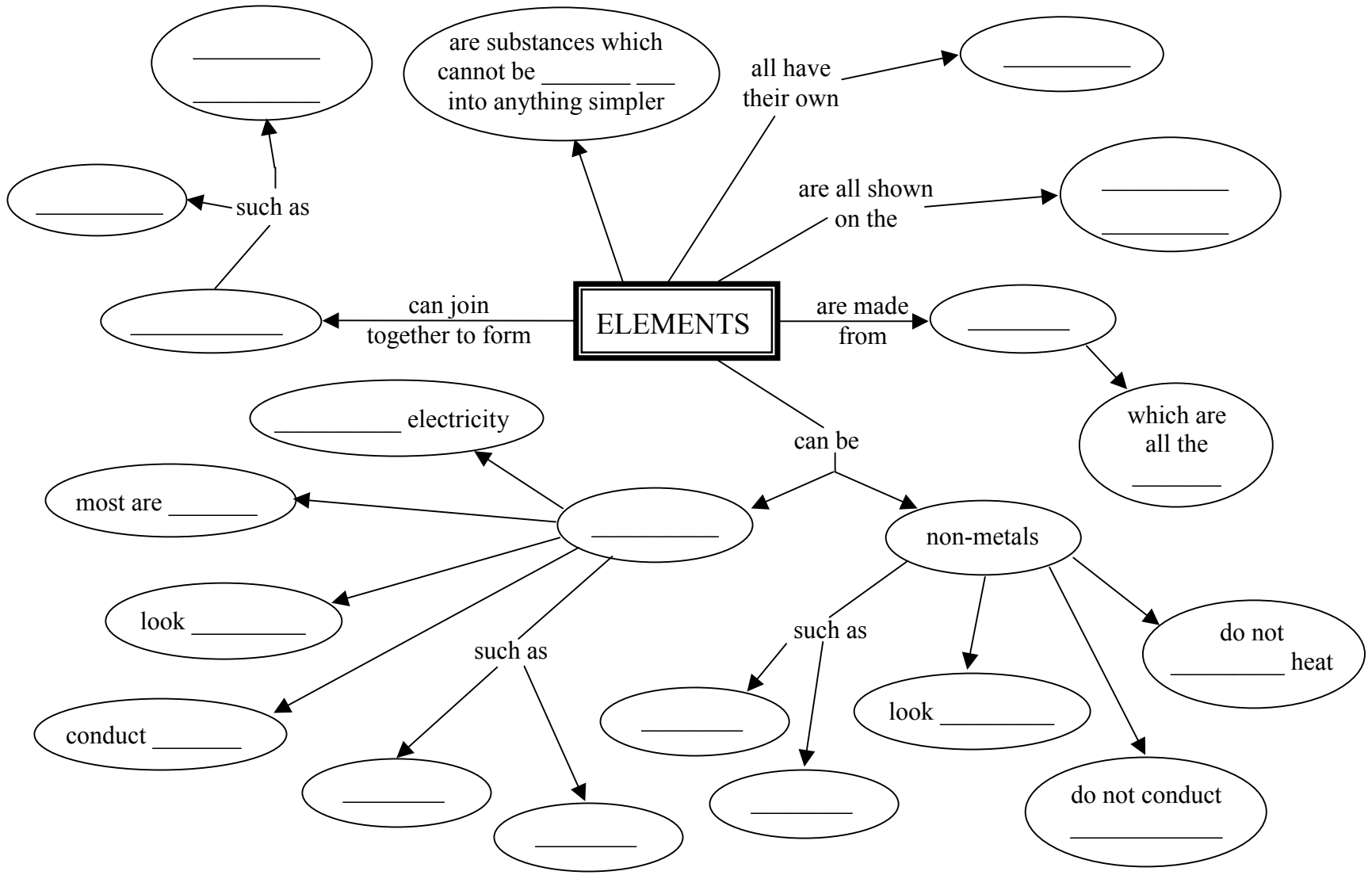
Property	Solids	Liquids	Gases
Shape and size			
Density			
'Squashability' (compressibility)			
Can things move through them?			
Particle diagram			

Can change shape, but difficult to squash into a smaller volume.	Definite size, but it will take up the shape of the container and flow from one place to another.	Things cannot move through.	
Very low density (do not weigh very much).	Definite size and shape.	Usually high density (heavy for their size).	Things can move through very easily.
Usually very difficult to squash; keeps shape and size.	No definite size or shape. Fills up containers.	Very easy to squash. Can be made to change volume.	Streamlined shapes can move through quite easily.
Medium density.			



# 8Ee/8 Elements concept map

Name \_\_\_\_\_  
Class \_\_\_\_\_



atoms    compounds    conduct    conduct    copper    dull    electricity    heat    iron    metals    oxygen  
 Periodic Table    same    shiny    sodium chloride    solid    split up    sulphur    symbol    water

# 8Ee/9 Concept map words

Make a concept map to show what you have learned about atoms and elements. Try to include all these words on your concept map. You can use the words more than once if you need to. You should also try to include some examples of elements and compounds.

atom	element
compound	mixture
molecule	metal
non-metal	alloy
electricity	heat
melting point	properties
shiny	dull
reactants	products
symbol equation	Periodic Table

**S** knowledge

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