

Homework 3.2

1. Complete the following table.

Atoms in compound		Name
1 carbon	a)	carbon monoxide
1 carbon	2 oxygen	b)
1 sulphur	3 oxygen	c)
d)	e)	carbon tetrachloride

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2. Complete the following sentences.

- a) Some substances are made up of electrically-charged particles called
- b) Positive ions are to negative ions.
- c) Between ions there are bonds

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3. Complete the following table by **circling** the correct answer.

Substance	Type of Bonding in Substance	Melting Point	State at room temperature
methane	molecules	a) <i>high / low</i>	b) <i>solid / gas</i>
salt	ions	c) <i>high / low</i>	d) <i>solid / gas</i>

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4. Complete the following table by **circling** the correct answer in the *conductivity* column

Type of Bonding	State	Conductivity
Molecules	solid	a) conductor / non-conductor
Ions	solid	b) conductor / non-conductor
Ions	liquid (molten)	c) conductor / non-conductor
Ions	solution (dissolved in water)	d) conductor / non-conductor

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total
15