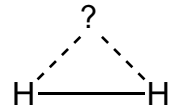


2. The diagram on the right represents a single molecule of hydrogen.
Which, if any, of the following labels can be used to identify the interaction between the two parts of the system shown:

	Yes?	No?	Unsure?
Attraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bonding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical bond	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



(please tick one box in each row)

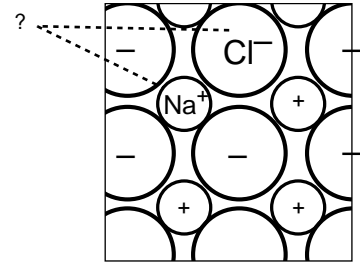
Do you think this type of interaction is given a particular name/label? (If so, how would you label this type of interaction?)

Describe this interaction in your own words. Give as much detail as you can:

(You do not need to fill up all the lines.)

- 3a. The diagram on the right represents part of a layer in a sodium chloride lattice.
Which, if any, of the following labels can be used to identify the interaction between the two parts of the system shown:

	Yes?	No?	Unsure?
Attraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bonding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical bond	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



(please tick one box in each row)

Do you think this type of interaction is given a particular name/label? (If so, how would you label this type of interaction?)

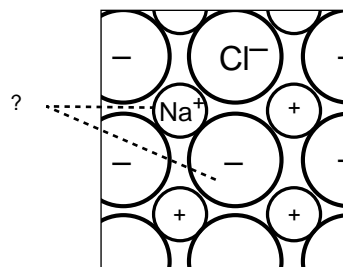
Describe this interaction in your own words. Give as much detail as you can:

(You do not need to fill up all the lines.)

3b. The diagram on the right represents the same part of a layer in a sodium chloride lattice as the previous question. Which, if any, of the following labels can be used to identify the interaction between the two parts of the system shown:

	Yes?	No?	Unsure?
Attraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bonding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical bond	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(please tick one box in each row)



Do you think this type of interaction is given a particular name/label? (If so, how would you label this type of interaction?)

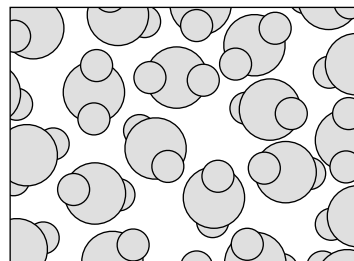
Describe this interaction in your own words. Give as much detail as you can:

(You do not need to fill up all the lines.)

4. The diagram on the right represents some water molecules in liquid water. Which, if any, of the following labels can be used to identify the interactions between molecules in the liquid:

	Yes?	No?	Unsure?
Attraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bonding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical bond	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(please tick one box in each row)



Do you think this type of interaction is given a particular name/label? (If so, how would you label this type of interaction?)

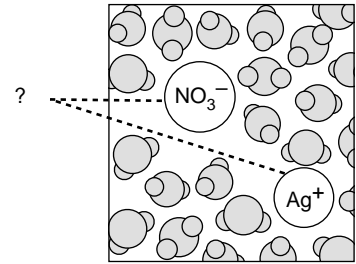
Describe this interaction in your own words. Give as much detail as you can:

(You do not need to fill up all the lines.)

5. The diagram on the right represents part of an aqueous solution of silver nitrate. Which, if any, of the following labels can be used to identify the interactions between the ions and the molecules in the liquid:

	Yes?	No?	Unsure?
Attraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bonding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical bond	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(please tick one box in each row)



Do you think this type of interaction is given a particular name/label? (If so, how would you label this type of interaction?)

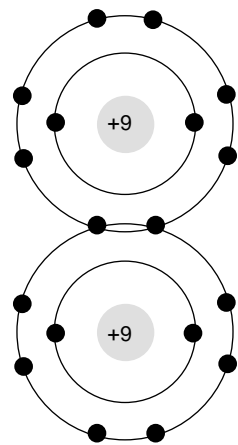
Describe this interaction in your own words. Give as much detail as you can:

(You do not need to fill up all the lines.)

6. The diagram on the right represents a molecule of fluorine. Which, if any, of the following labels can be used to identify the interactions which hold the molecule together?

	Yes?	No?	Unsure?
Attraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bonding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical bond	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(please tick one box in each row)



Do you think this type of interaction is given a particular name/label? (If so, how would you label this type of interaction?)

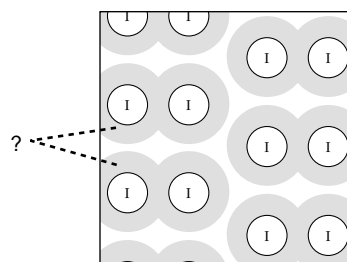
Describe this interaction in your own words. Give as much detail as you can:

(You do not need to fill up all the lines.)

7. The diagram on the right represents iodine molecules in solid iodine
Which, if any, of the following labels can be used to identify the interactions between the molecules?

	Yes?	No?	Unsure?
Attraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bonding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical bond	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(please tick one box in each row)



Do you think this type of interaction is given a particular name/label? (If so, how would you label this type of interaction?)

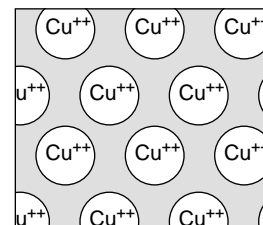
Describe this interaction in your own words. Give as much detail as you can:

(You do not need to fill up all the lines.)

8. The diagram on the right represents the lattice arrangement in copper.
Which, if any, of the following labels can be used to identify the interactions holding the copper together?

	Yes?	No?	Unsure?
Attraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bonding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical bond	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(please tick one box in each row)



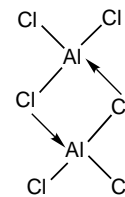
Do you think this type of interaction is given a particular name/label? (If so, how would you label this type of interaction?)

Describe this interaction in your own words. Give as much detail as you can:

(You do not need to fill up all the lines.)

9. The diagram on the right represents a dimer of aluminium chloride (AlCl_3). Which, if any, of the following labels can be used to identify the interactions between the two AlCl_3 molecules?:

	Yes?	No?	Unsure?
Attraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bonding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical bond	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



(please tick one box in each row)

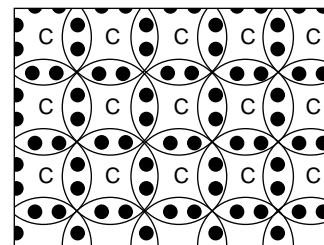
Do you think this type of interaction is given a particular name/label? (If so, how would you label this type of interaction?)

Describe this interaction in your own words. Give as much detail as you can:

(You do not need to fill up all the lines.)

10. The diagram on the right represents part of the diamond structure of carbon. Which, if any, of the following labels can be used to identify the interactions holding the structure together?:

	Yes?	No?	Unsure?
Attraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bonding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical bond	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



(please tick one box in each row)

Do you think this type of interaction is given a particular name/label? (If so, how would you label this type of interaction?)

Describe this interaction in your own words. Give as much detail as you can:

(You do not need to fill up all the lines.)