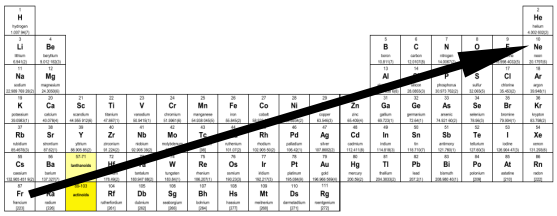
NAME____***SOLUTIONS***_____

Year 11 Chemistry

Materials Formative Test: Bonding

1.



2.

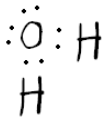
a) Ionic b) Ionic c) Covalent
d) Covalent e) Metallic

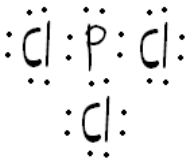
3. A bond with one partially positive and one partially negative end. It occurs when the two bonded elements have different electronegativities.

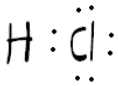
4. Secondary, because they are (between molecules)/(intermolecular).

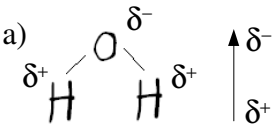
5. Strongest is metallic. Weakest is dispersion.

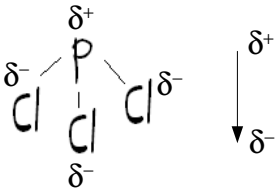
6.

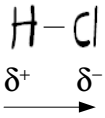
a) 

b) 

c) 

7. a) 

b) 

c) 

8. Iron oxide

9.

a) The metal ions are free to move in the sea of electrons
b) The shared electrons carry charge through the metal

10. The ions are charged and free to move