BRAINSTORMING TEST. (STRUCTURE AND BONDING).		
Def	ine the term bonding.	
a) V	Vrite any three types of bonding.	
	xplain the following observations.	
(1)	Aluminium oxide has a higher melting point.	
/···\		
(11) (pola	Carbon tetrachloride is non polar yet the carbon chlorine bond is r.	
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Draw the structu	ure and state the shape of	f each of the followin
species.	are and state the shape of	reaction the following
SPECIES	STRUCTURE	SHAPE.
SiO ₃ ²⁻		
BrO ₃ -		
- · · · •		
Cl ₂ O		
CrO ₄ ²⁻		
CIO ₃ -		

	1	T
BF ₃		
SnCl ₂		
NO ₂ -		
NO ₃ -		
SiF ₄		
CO ₃ ²⁻		
a) Write equation for t (i) Boron trifluoride a		

(ii) Acidified potassium iodide solution and aqueous sodium chlorate (v) solution.

(i	iii) Tin (ii) chloride and iron (ii) ions.
	3. What is meant by hydrogen bonding?
	Explain the following observations.
Γ.	2-chlorophenol is less soluble in water than 4-chlorophenol.

II.	Why ethanol has methoxymethan	s a higher boiling point e.	78°C than		
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II.	Why ice floats o	on water.			
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	4. Draw the structure and name the shapes of the following.				
(Oxyanion	Structure	Shape		
•	5O ₃ ²⁻				
	5O ₄ ²⁻				

a) Explain the structure of the SO_3^{2-} ion.

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-	ne the reagent that can be used to distinguish between the anions.
c) Sta	te what would be observed;
If a so	lution of each of the oxyanion is treated separately with the
reagen	t(s) you have named in b(i)

THE END.