Quiz 10.4 – Classifying Solids

Name: Kery				
Question 1				
Classify the following solids in as many ways as you can:				
Quartz Crystal	Naphthalene	Aluminum Foil	Glass	Iron(III) Oxide
crystalline	crystalline	crystalline	amorphous	crystalline
Covalent Network Question 2	molecular	metallic	coralent retwork	ionie
For each property or observation, write whether it indicates a solid is amorphous or crystalline				
o The atomic-scale structure is chaotic and disordered umorphous				
o The solid cleaves easily along flat planes Crystalline				
o The solid shows flat faces and sharp corners and edges at the macroscopic scale Chystalline				
A sharp, consistent melting point is observed Crystalling				
 The solid grows soft and pliable over a temperature range before finally melting comprehens 				
o The atomic-scale structure shows a regular, repeating order Crystalline				
Question 3				
What types of forces are present in each type of solid?				
o Metallic Solids Metallic bonds				
o Ionic Solids bonks bonks				
Ocovalent-Network Solids Covalent bonds				
o Molecular Solids Covalent bonds (internal)				
internolecular forces (between molecules)				